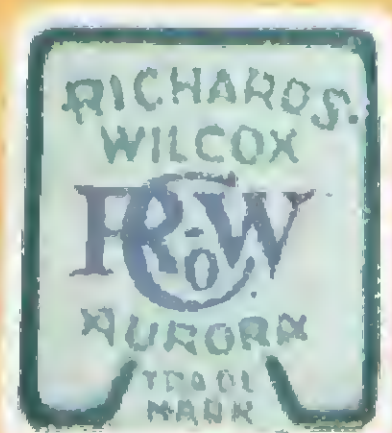
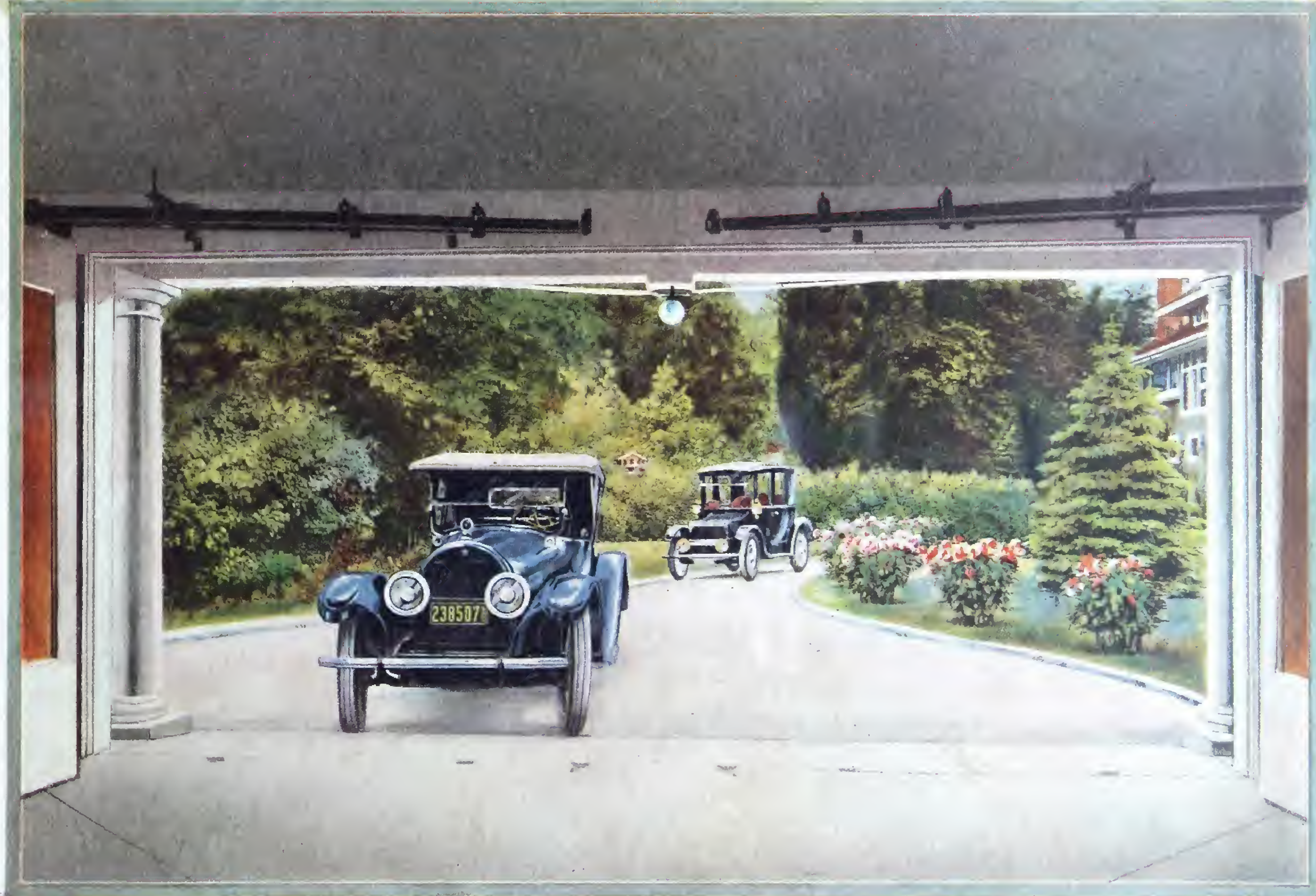
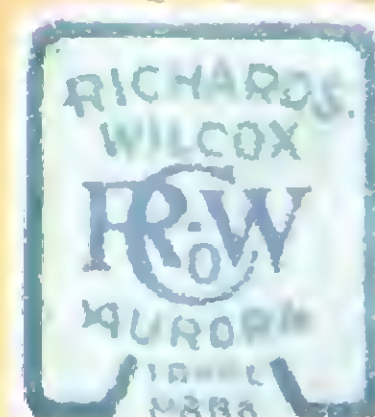


82-13.

Distinctive Garage Door Hardware



Richards-Wilcox Mfg. Co.
A HANGER FOR ANY DOOR THAT SLIDES
AURORA, ILLINOIS, U. S. A.



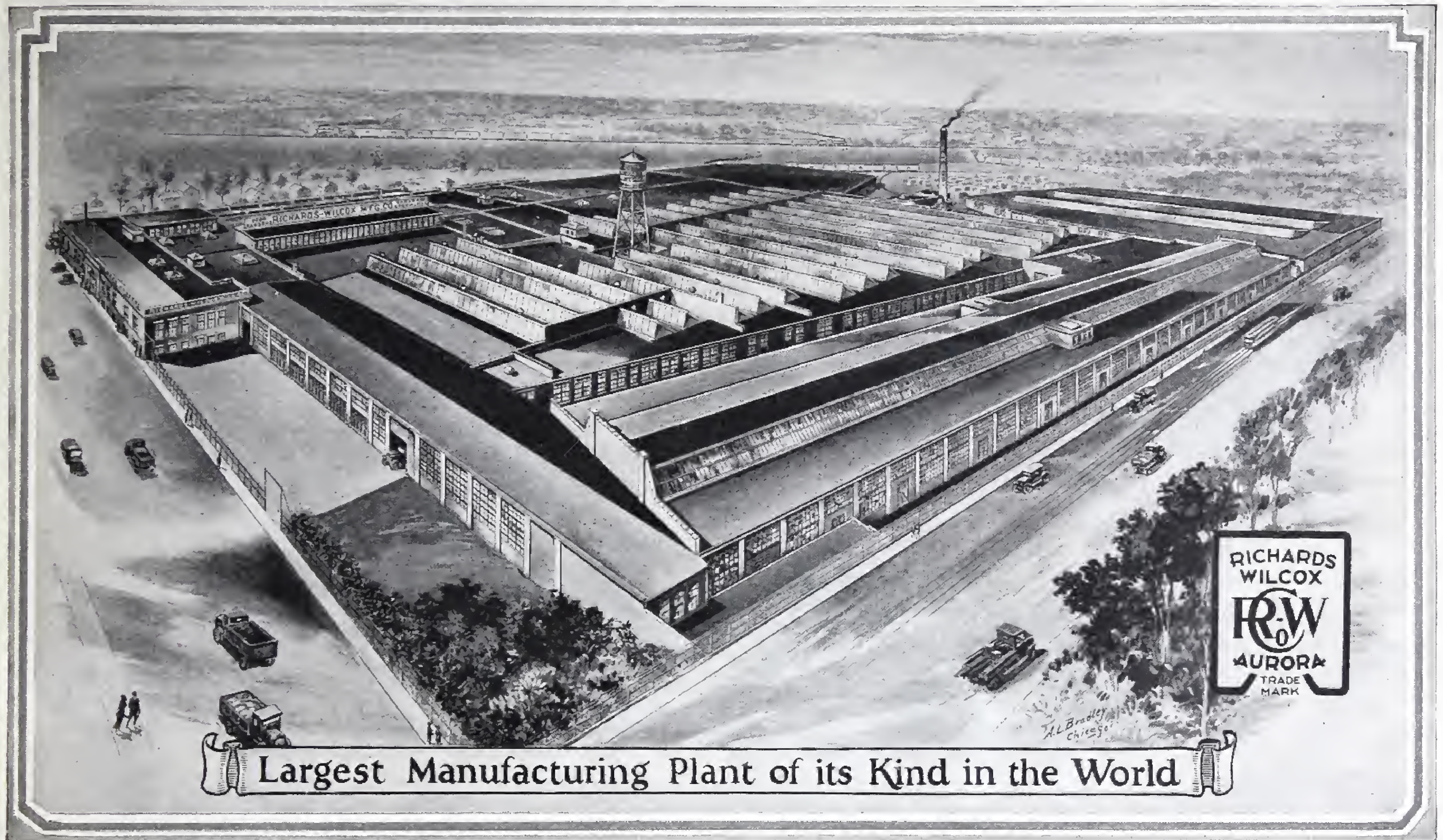
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CCA

Garage Door Hardware

Catalog No. 35



W. H. Fitch.....President and General Manager
Lee Mighell.....Vice-President

Milton D. Jones.....Secretary and Treasurer
P. L. Hoffman.....Superintendent

BRANCHES

New York City.....85 Walker Street
Chicago.....166-168 West Lake Street
Philadelphia.....507 Arch Street
Boston.....132-134 Pearl Street
Cleveland.....459 Hippodrome Annex
Kansas City.....206 Reliance Bldg.
Omaha.....City Natl. Bank Bldg.

St. Louis.....1735 Boatmens Bank Bldg.
Minneapolis.....321 Plymouth Bldg.
Los Angeles.....503 Equitable Bldg.
San Francisco.....626 Underwood Bldg.
Indianapolis.....423-424 Occidental Bldg.
Seattle.....1214 Hoge Bldg.
Cincinnati.....512 Provident Bank Bldg.

New Orleans.....Contractors' and Dealers' Exchange Bldg.

Canadian Plant

Richards-Wilcox Canadian Co., Ltd.....London, Ont.
Branch Offices at Winnipeg and Montreal

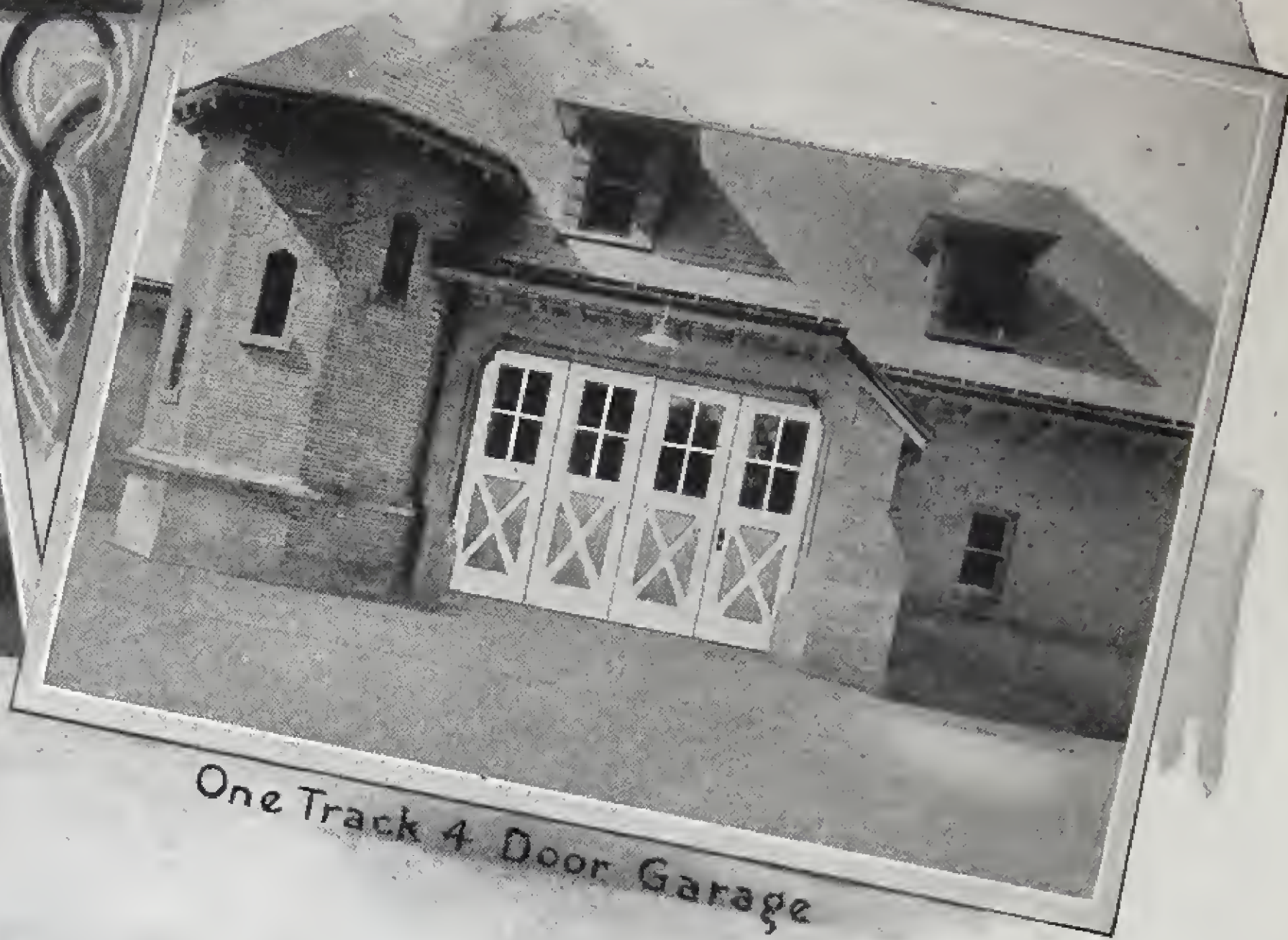
MAIN OFFICE AND WORKS:

Aurora, Illinois, U. S. A.

Slidetite GARAGES



Double 3 Door Garage



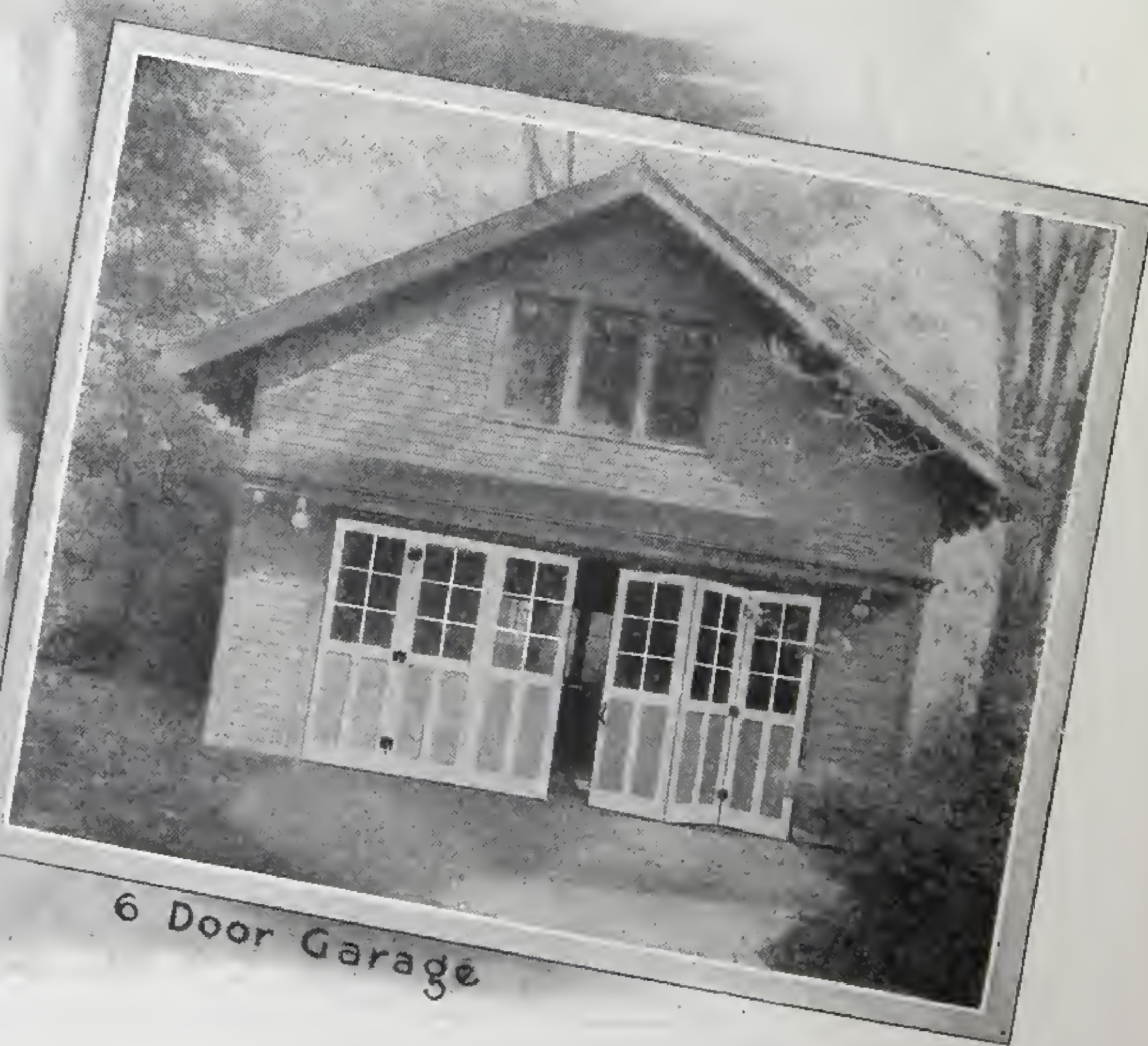
One Track 4 Door Garage



5 Door Garage



Two Track 4 Door Garage

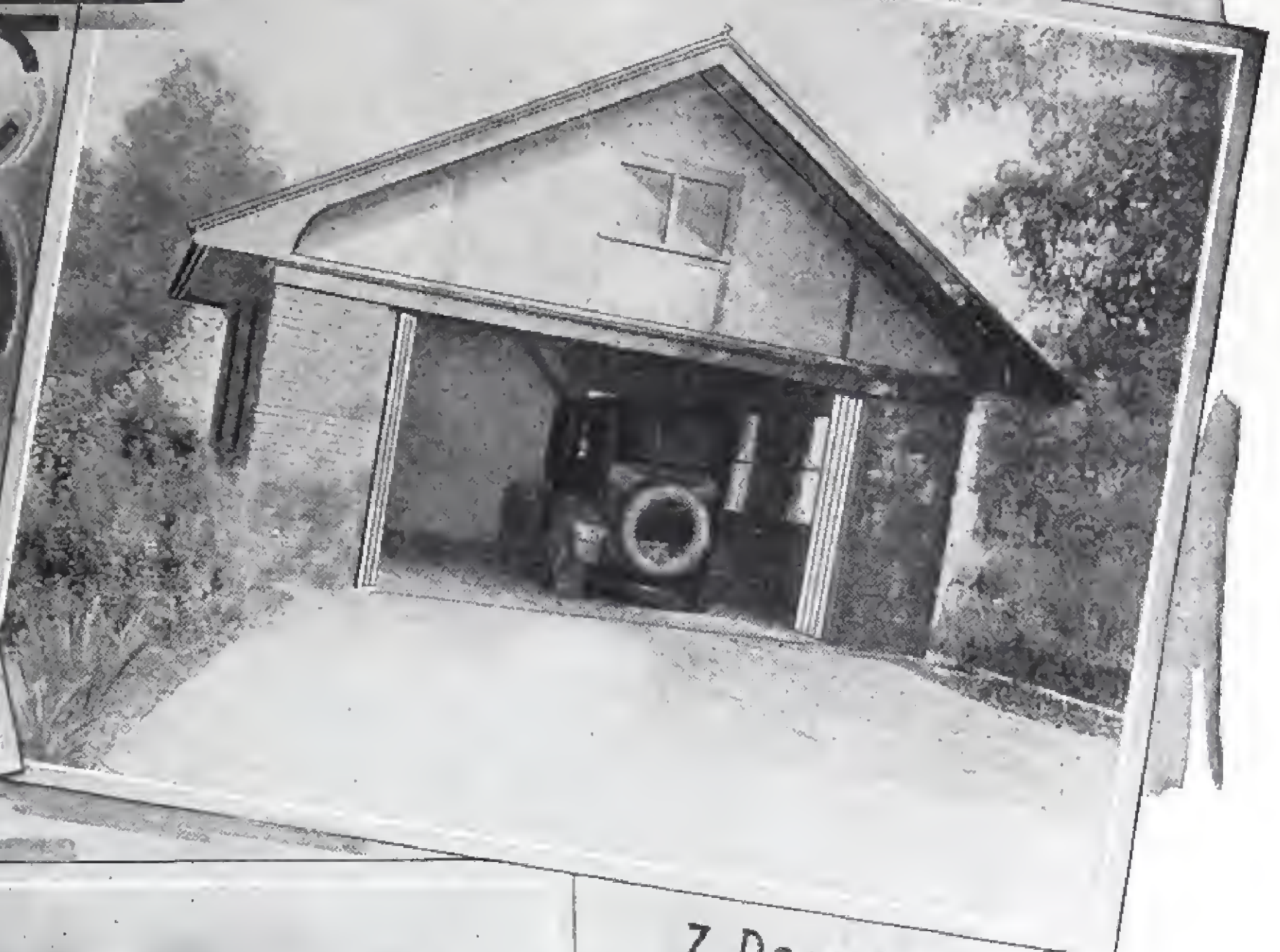


6 Door Garage

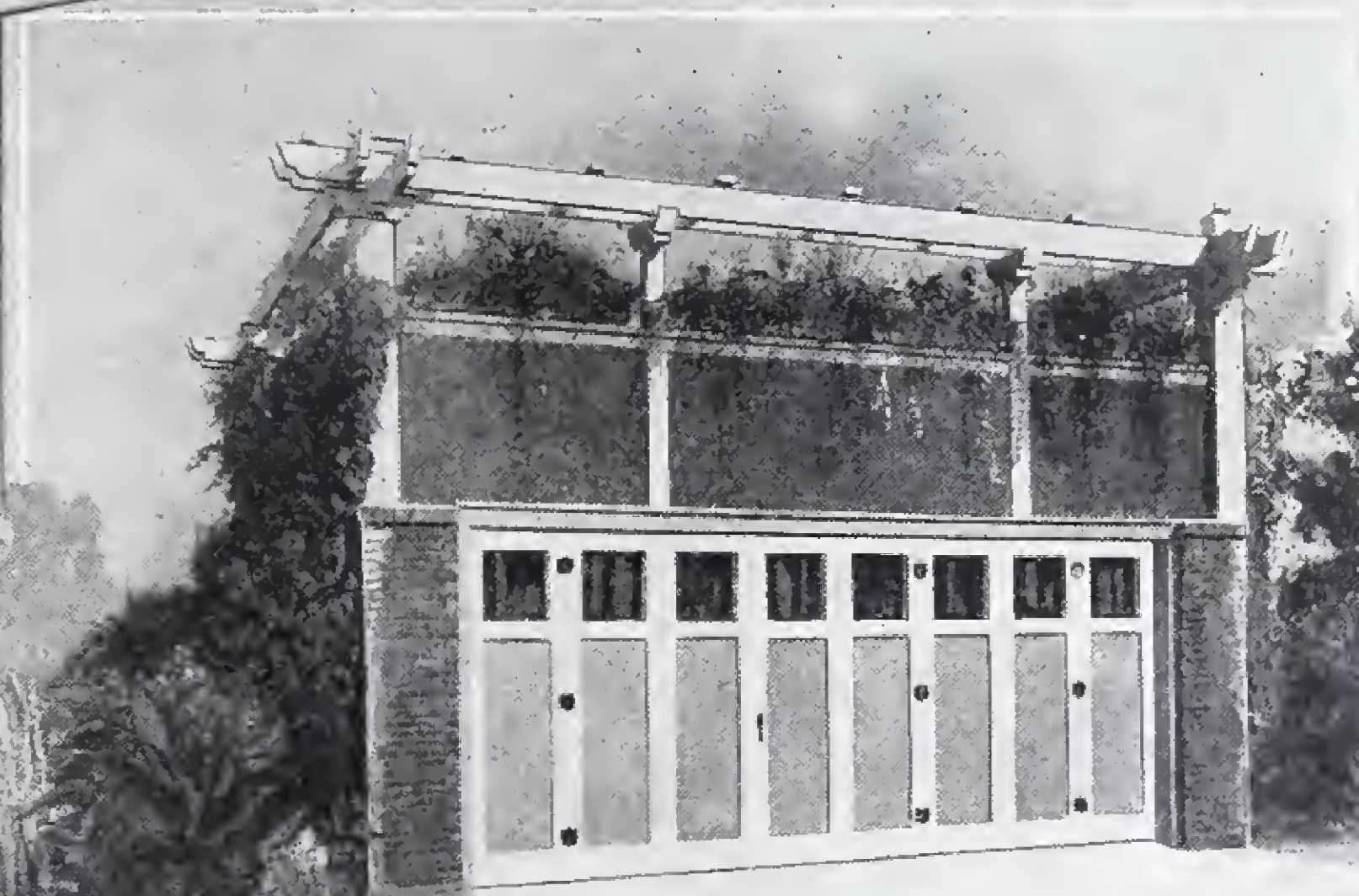
Slidetite GARAGES



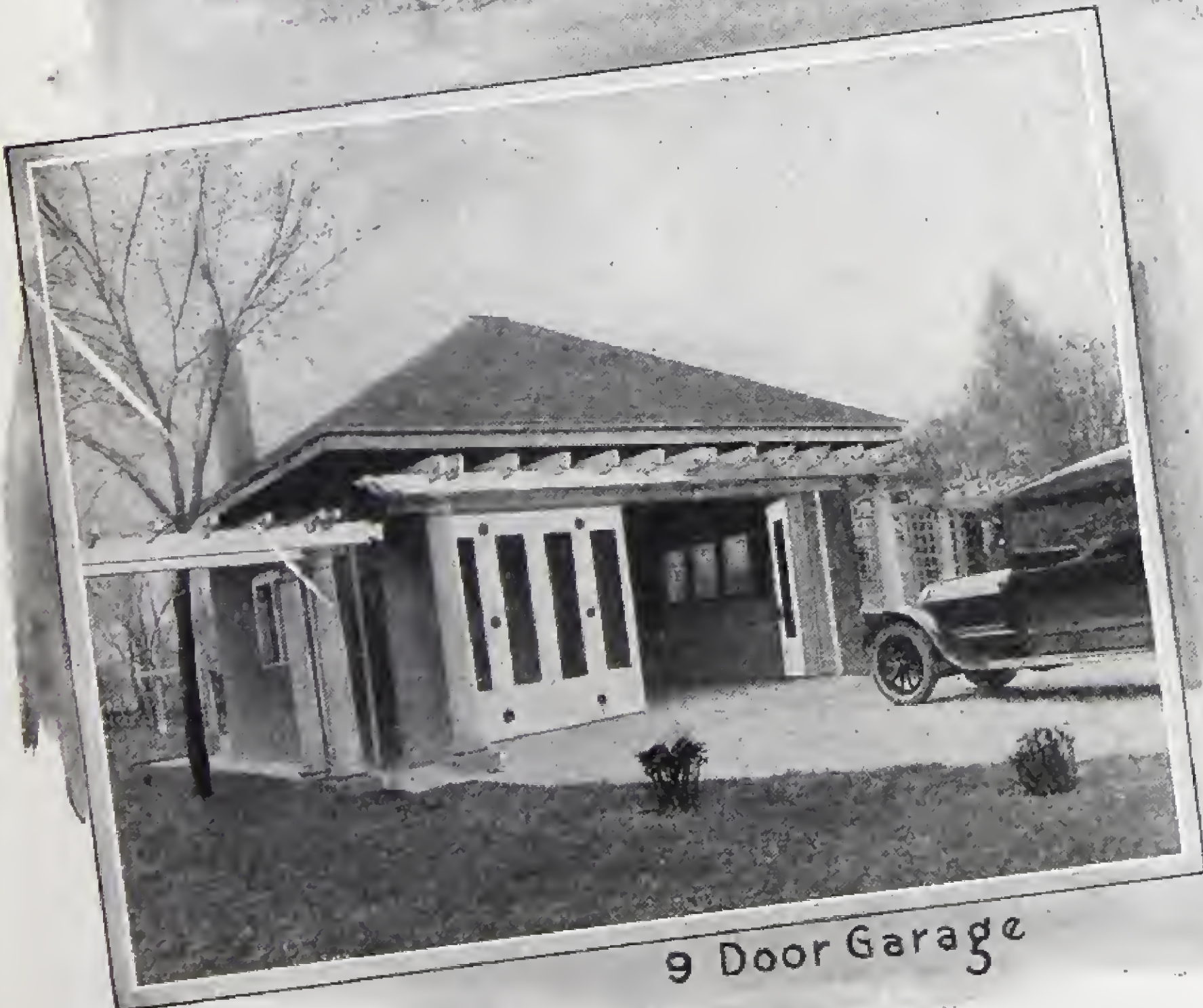
Four Track 8 Door Garage



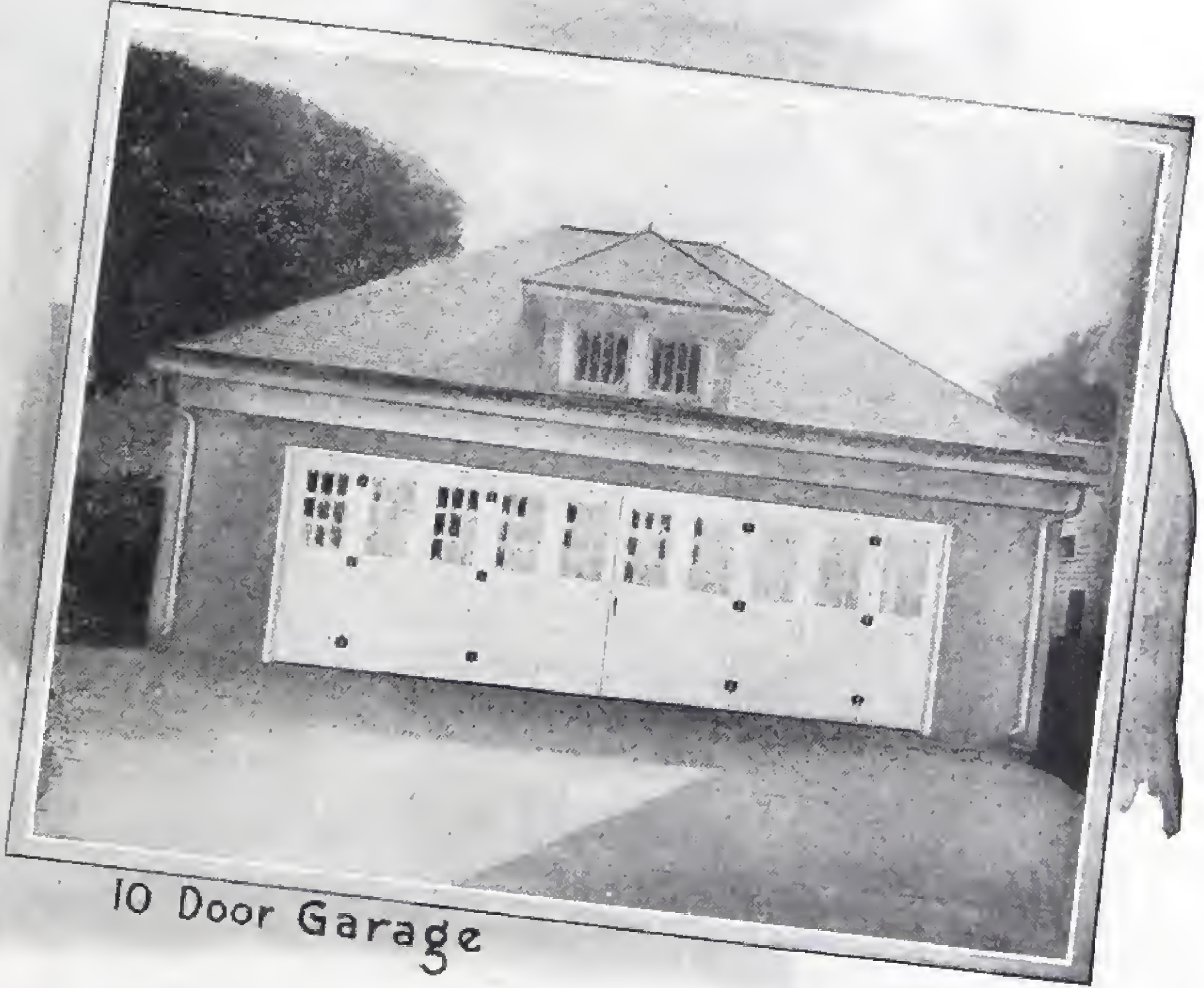
7 Door Garage



Three Track 8 Door Garage



9 Door Garage



10 Door Garage

Slidetite

PATENTED

R-W. No. 435

Garage Door Hardware

For Any Garage Doorway, Private or Public, Large or Small



Fig. A-694—A typical Slidetite Doorway. This garage accommodates two cars. The doorway is equipped with a Slidetite 6-door set of hardware, which provides for an entrance door without an additional doorway.

Slidetite meets the demand for a fixture that will allow hinged doors to fold and slide inside or outside of building, requiring only minimum space. Ordinarily the doors open in but when it is necessary that they open out special hinges are required, see pages 28 and 29.

Doors fit perfectly tight, are weather-proof, cannot sag, and will not warp.

Will stand at any angle or parallel with front wall, depending, however, upon the width of wall space adjoining the opening, and giving absolute clearance from jamb to jamb. (See illustrations of floor plans on following pages.)

Slidetite gives a clear opening 8 to 30 feet wide.

Made in sets for 2, 3, 4, 5, 6, 7, 8, 9, or 10 doors.

Doors measuring 3 feet wide each give best results.

Makes possible use of doors corresponding with the architecture of the residence with which the garage is associated.

Slidetite is furnished in three weights of hardware: *Light Weight* for doors weighing up to 125 pounds each, *Medium Weight* for doors weighing between 125–200 pounds each, and *Heavy Weight* for doors weighing more than 200 pounds each.

Equipment consists of steel trolley track, roller bearing door hangers, bolts, brackets, floor guides, hinges, bow handles and tie rods.

Intermediate and end brackets are adjustable laterally and vertically and are so designed that the bracket arm flanges clamp the top of the track tightly in place by tightening the bolt by which the bracket proper is attached to the bracket arm. Brackets are swiveled to permit track to be set at angle suitable to thickness of doors. Hangers support and guide the end of the doors and prevent sagging. Vertical adjustment. Ball-bearing swivel pendants. Steel wheels. Several types of bolts are furnished, for same see pages 118 to 121.

Direction Sheet showing erection details furnished with each order.



Offset Surface Hinge
No. 836-2 1/2 x 4"
No. 836-3 1/2 x 5"



Surface Hinge
No. 435-2 1/2 x 4"
No. 435-3 1/2 x 5"



Butt Hinge
No. 435-2 x 4"
No. 435-2 1/2 x 5"



Half Surface Butt Hinge
No. 311, Used Only
With Nos. 31 and 35
Track



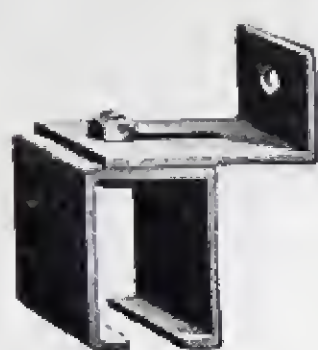
Surface Hinge
No. 435-12" x 4"



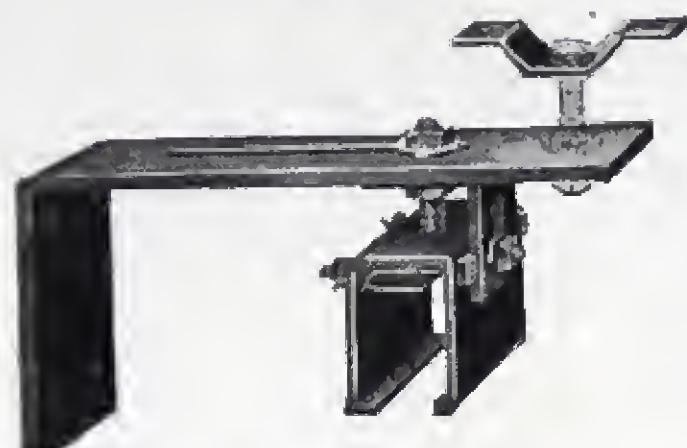
Offset Surface Hinge for Doors Opening Out
No. 836-12" x 5"



Center Bracket
No. 435-C



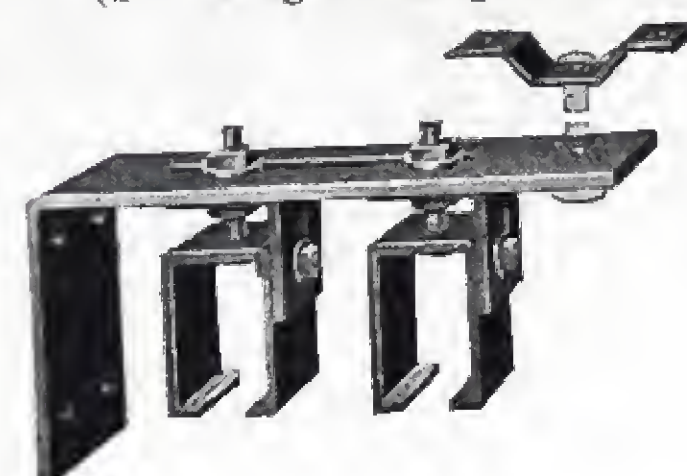
Second Bracket
No. 435-S
No. 1035-S



Joint Bracket No. 435-J
(Showing Ceiling Clip)



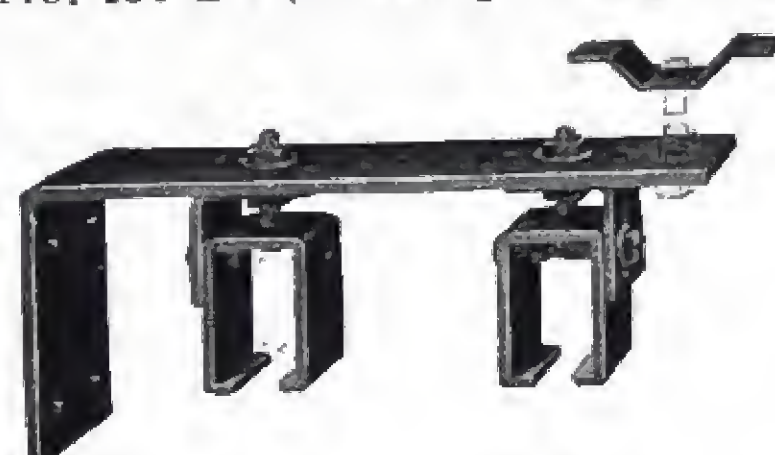
Intermediate Bracket
No. 435-I
No. 1035-I



Double Intermediate Bracket
No. 435-DI (Showing Ceiling Clip)

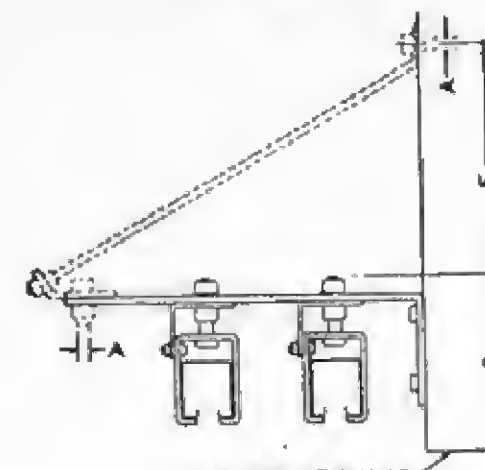


End Bracket
No. 435-E
No. 1035-E

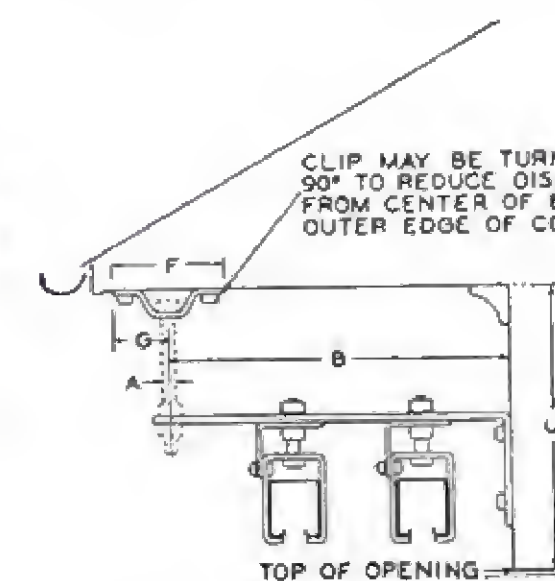


Double End Bracket No. 435-DE
(Showing Ceiling Clip)

Ceiling Clips not included in Price of Brackets
Bracket Suspension Bolts not included in regular sets because lengths vary on individual installations.



Sidewall Support



Overhead Support

Support Dimensions and Prices Given on Page 139.



Bow Handle
No. 81-1



Door Holder
No. 119



Hanger
No. 435



Floor Guide No. 271 with
Bumper Shoe No. 435-72

Tie Rod with
Pintle and Pin
No. 435

Detail of No. 435 Hardware and List Price of Parts for 2 to 10 Door Sets

DESCRIPTION	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. each			Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. each			Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each		
	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.
Hangers, Roller Bearing, for In-Opening Doors, each.....	†435-1	\$3.50	3 1/2	435-3	\$4.50	7 3/4	435-2	\$5.00	8
Hangers, Special Roller Bearing, for Out-Opening Doors (page 28) each..	†435-21	3.50	3 1/2	435-23	4.50	7 3/4	435-22	5.00	8
Trolley Track (page 110), per foot.....	31 or 35	.30	1 1/2	232	.55	2 3/4	33	.70	4
Brackets, Center Track, each.....	435x31-C	.30	1	435x232-C	1.00	2 3/4	435x33-C	1.25	4 1/4
Brackets, Intermediate Track, each....	435x31-I	.70	3 1/2	1035x232-I	3.25	9 1/2	1035x33-I	4.25	11
Brackets, End Track, each.....	435x31-E	1.00	3 1/2	1035x232-E	4.00	12 1/4	1035x33-E	4.50	13
Brackets, Joint, each.....	435x31-J	4.80	8	435x232-J	7.25	10 1/2	435x33-J	8.25	14
Brackets, Second, each.....	435x31-S	.40	2	1035x232-S	1.20	5	1035x33-S	1.50	6
Brackets, Double End, each.....	435x31-DE	4.00	11 1/2	435x232-DE	6.35	16	435x33-DE	7.25	22
Brackets, Double Intermediate, each...	435x31-DI	3.80	10 1/4	435x232-DI	5.75	15	435x33-DI	6.15	20
Ceiling Clips, each.....	435x31-CC	.20	1/2	435x232-CC	.24	1	435x33-CC	.30	1 1/4
**Hinges, Half Surface Butt (page 128), per pair.....	311-4"	1.60	3 3/4	435-5" x 5"	1.00	2	435-5" x 5"	1.00	2
Hinges, Butt (page 128), per pair.....	435-4" x 4"	.60	1 1/2	435-3 1/2" x 5"	1.40	4	435-3 1/2" x 5"	1.40	4
Hinges, Surface (page 129), per pair....	435-2 1/2 x 4"	.80	1 1/2	435-12" x 4"	2.20	8 3/4	435-12" x 4"	2.20	8 3/4
Hinges, Surface (page 129), per pair....				836-3 1/2" x 5"	1.60	5	836-3 1/2" x 5"	1.60	5
*Hinges, Offset Surface (page 129), pair	836-2 1/2" x 4"	1.00	2	836-12" x 4"	3.00	9 1/4	836-12" x 4"	3.00	9 1/4
*Hinges, Offset Surface (page 129), pair				81-2	.55	1	81-2	.55	1
Bow Handles (page 125), each.....	81-1	.35	1/2	119	.15	1/4	119	.15	1/4
Door Holders, each.....	119	.15	1/4						
Center Floor Guides (page 126), each..	271	.96	3	271	.96	3	271	.96	3
Bumper Shoes (page 126), each.....	435-72	.14	1/3	435-72	.14	1/3	435-72	.14	1/3
§ Tie Rods with Pintles and Pins for doors 23" to 29" wide (page 118), complete	435-1	1.30	2	435-1	1.30	2	435-1	1.30	2
§ or for doors 30"-36" wide (page 118).	435-2	1.50	2 1/4	435-2	1.50	2 1/4	435-2	1.50	2 1/4

Note—For information concerning Locking Bolts see pages 118 to 121.
† When using No. 35 Track, specify No. 435-4 Hangers.
‡ When using No. 35 Track, specify No. 435-14 Hangers.
§ Only used where there is a series of three or more doors hinged together.
Specify pintle "A" when tie rod is to be used on doors hung with butts, specify pintle "B" when tie rod is to be used on doors hung on No. 311 half surface butts.
** For doors opening inside only.
* Used only on out-opening doors.

Discount

No. 435 Hanger and Bracket Sets for No. 31 Track
These sets are intended for such of our dealers who carry all hardware necessary for No. 435 Garage Door Sets in stock with the exception of Hangers and Brackets. Hanger and Brackets as listed below come all packed in metal edged carton. A set consists of 1 No. 435-1 Hanger, 1 No. 435x31-I Bracket, 1 No. 435x31-E Bracket, 1 No. 435x31-C Bracket, with screws and bolts for erecting. Set is suitable for 3-door and one-track 4-door installations. For two-track 4-door, 5 and 6 door outfits use two sets. Weight, per set, 13 lbs. List price No. 435 Hanger and Bracket Set, each.... \$5.50

Slidetite 435 and 1035 Sets for 2-Doors Opening In or Opening Out

Patented

For Openings up to 8 Feet Wide—Doors must be of equal width

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows:	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each			Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each			Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each		
	435 List Price	1035 List Price	Wt., Lbs.	435 List Price	1035 List Price	Wt., Lbs.	435 List Price	1035 List Price	Wt., Lbs.
Set including:									
2 No. 514 Spring Top or Bottom Bolts (page 121).....	\$13.50	\$19.50	48	\$21.00	\$27.00	82	\$24.20	\$30.20	102
1 No. 514 Spring Top Bolt (page 121), and 1 No. 524-1 Cane Bottom Bolt (page 121).....	13.50	19.50	49	21.00	27.00	83	24.20	30.20	103
1 No. 414 Self-Aligning Top Bolt (page 119), and 1 No. 524-1 Cane Bottom Bolt (page 121).....	13.75	20.00	50	21.25	27.50	84	24.45	30.70	104
2 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	14.00	19.75	50	21.50	27.20	84	24.70	30.45	104
1 No. 417 Chain Top and Bottom Bolt (page 118).....	14.90	20.90	54	22.90	28.90	87	26.60	32.60	108
*1 No. 517 Cremone Bolt, for doors up to 9' high (page 119)....	17.10	23.10	56	25.10	31.10	89	28.80	34.80	110
*1 No. 617 Cremone Bolt, for doors up to 10' high (page 120)....	21.00	27.00	58	29.00	35.00	91	32.70	38.70	112
1 No. 219 Door Latch, for Out-Opening Sets Only (page 7)....	13.50	19.50	50	21.00	27.00	84	24.20	30.20	104

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

* If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Whether 435 or 1035 Hardware is desired. Whether doors are to Open In or Out. Width and height of doors. Kind of Locking Bolts Wanted. Kind of Trolley Track wanted.

Example Order—One set 2-door Slidetite No. 435, for opening 8 feet wide, 8 feet high, doors 1 3/4 inches thick, including No. 514 Bolts and No. 31 Trolley Track. Doors Open In.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for 2-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number		Catalog Number		Catalog Number	
	In-Opening Doors	Out-Opening Doors	In-Opening Doors	Out-Opening Doors	In-Opening Doors	Out-Opening Doors
1 Hanger, Roller Bearing (page 5).....	†435-1	†435-21	435-3	435-23	435-2	435-22
* Trolley Track (page 5).....	31 or 35	31 or 35	232	232	33	33
1 Bracket, Center Track (page 5).....	435x31-C	435x31-C	435x232-C	435x232-C	435x33-C	435x33-C
1 Bracket, Intermediate Track (page 5).....	435x31-I	435x31-I	435x232-I	435x232-I	435x33-I	435x33-I
1 Bracket, End Track (page 5).....	435x31-E	435x31-E	1035x232-E	1035x232-E	1035x33-E	1035x33-E
1 Bracket, Second (page 5).....	435x31-S	435x31-S	1035x232-S	1035x232-S	1035x33-S	1035x33-S
1 1/2 Pr. Hinges, Half Surface Butt. For 435 Sets only (page 5).....	311-4"	435-4"x4"	435-5"x5"	435-5"x5"	435-5"x5"	435-5"x5"
1 1/2 Pr. Hinges, Butt. for 435 Sets only (page 5).....						
1 1/2 Pr. Hinges, Heavy Offset, for 1035 Sets only (page 130).....	1035-18"x2 1/2"	1035-18"x2 1/2"	1035-24"x2 1/2"	1035-24"x2 1/2"	1035-30"x2 1/2"	1035-30"x2 1/2"
1 1/2 Pr. Hinges, Surface (page 5).....	435-2 1/2"x4"		435-12"x4"		435-12"x4"	
1 1/2 Pr. Hinges, Offset Surface (page 5).....		836-2 1/2"x4"		836-12"x4"		836-12"x4"
1 Bow Handle (page 5).....	81-1	81-1	81-2	81-2	81-2	81-2
1 Set of Locking Bolts (Selected from the following sets)						
†2 Spring Top or Bottom Bolts (page 121).....	514-1	514-1	514-2	514-2	514-2	514-2
† or 2 Self-Aligning Top or Bottom Bolts (page 119).....	414-1	414-1	414-2	414-2	414-2	414-2
†1 Spring Top Bolt (page 121).....	514-1	514-1	514-2	514-2	514-2	514-2
and 1 Cane Bottom Bolt (page 121).....	524-1	524-1	524-1	524-1	524-1	524-1
†1 Self-Aligning Top Bolt (page 119).....	414-1	414-1	414-2	414-2	414-2	414-2
and 1 Cane Bottom Bolt (page 121).....	524-1	524-1	524-1	524-1	524-1	524-1
1 Chain Top and Bottom Bolt (page 118).....	417	417	417	417	417	417
§1 Cremone Bolt, for doors up to 9' high (page 119).....	517	517	517	517	517	517
§1 Cremone Bolt, for doors up to 10' high (page 120).....	617	617	617	617	617	617
1 Door Latch (page 7).....		219		219		219

Note—† When using No. 35 Track specify No. 435-4 or 435-24 Hangers. * Length of Track equals width of opening plus 1 foot. ‡ In this case one extra Bow Handle is used. § If desired for higher doors order extra 18" sections which list at 80 cents each.

2-Door Short Sets — For 435 or 1035 Equipments

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices

Size of Track	No. 435 Hardware	No. 1035 Hardware	Shipping Wt., Lbs.
For No. 31 or 35 Track, per set.....	\$9.50	\$15.50	31
For No. 232 Track, per set.....	16.40	22.40	62
For No. 33 Track, per set.....	18.50	24.50	68

Example Order: 1 Short Set, 2-Door Slidetite, No. 435 for No. 31 Track. Doors Open In. -

Discount

435 2-Door Sets

All illustrations on this page (except the 219 Latch) show No. 435 Slidetite, 2-Doors Opening In, Light Weight Sets. Here 31 Track with 311 Offset Hinges at the jamb towards which the doors fold, are used. If Medium or Heavy Weight 435 Sets, for In-Opening Doors is desired, Nos. 232 or 33 Track and 435-5" Butts are furnished. For hardware required see opposite page.

In-Opening Doors

435 2-Door Sets

The operation is the same except that the doors Open Out and the 219 Latch can be used. For hardware required see opposite page.

Out-Opening Doors

1035 2-Door Sets

The operation is the same as that of the 435 In-Opening Sets except that heavier hinges are used. For hardware required see opposite page.

In-Opening Doors

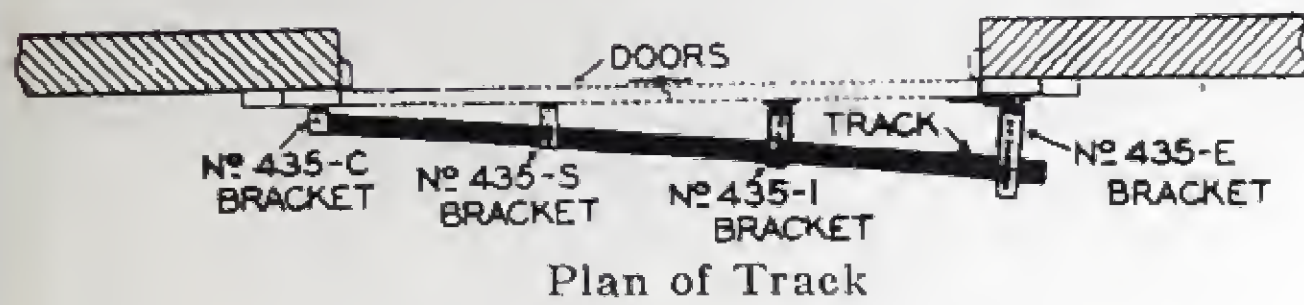
1035 2-Door Sets

The operation is the same as that of the 435 Out-Opening Sets except that heavier hinges are used. For hardware required see opposite page.

Out-Opening Doors

For 435 3 to 10-Door Sets See Pages 4 to 29.

For 1035 3 to 10-Door Sets See Pages 30 to 35.



Plan of Track



Doors Closed



Doors Partly Opened



Doors Open at Right Angles to Front Wall



Doors Open Parallel with Front Wall

Fig. A-696—Main Floor Plans show correct design of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

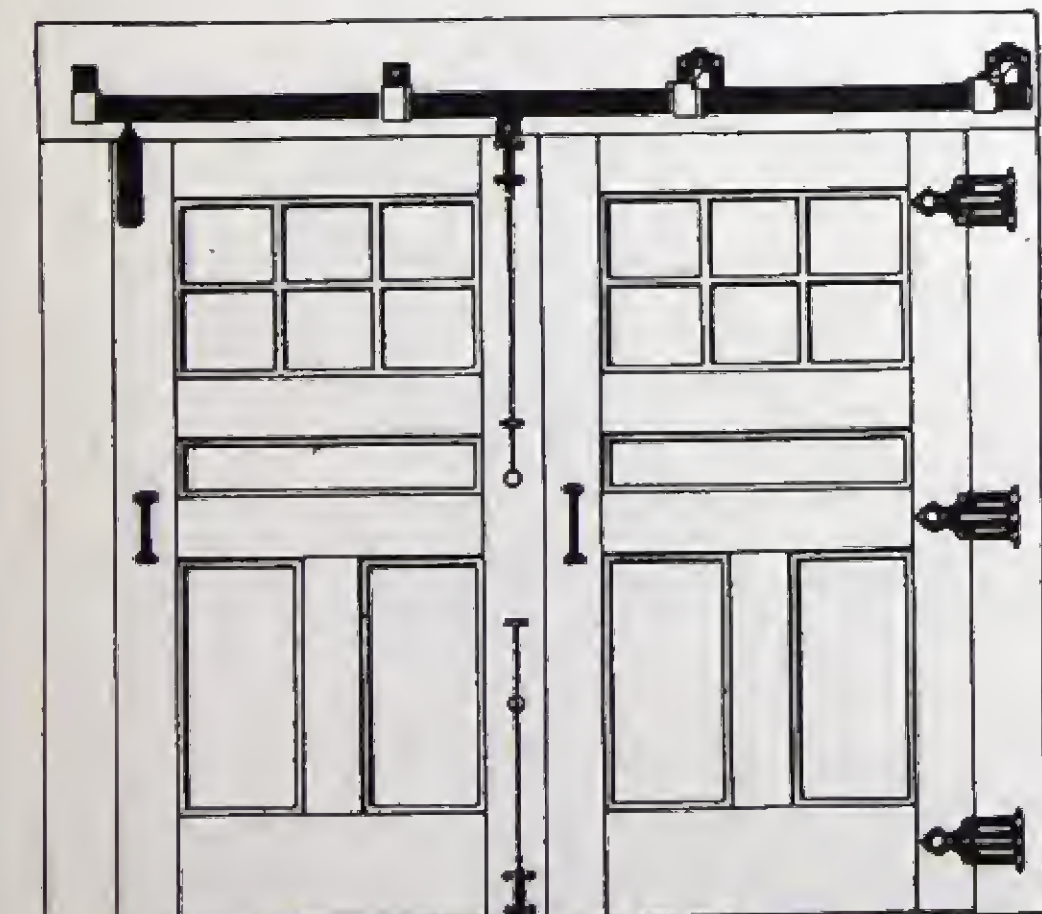


Fig. A-698—Interior elevation showing 435 Hardware, including No. 514 Spring Top and Bottom Door Bolts. The No. 414 Bolts are applied the same as are the No. 514 Bolts.

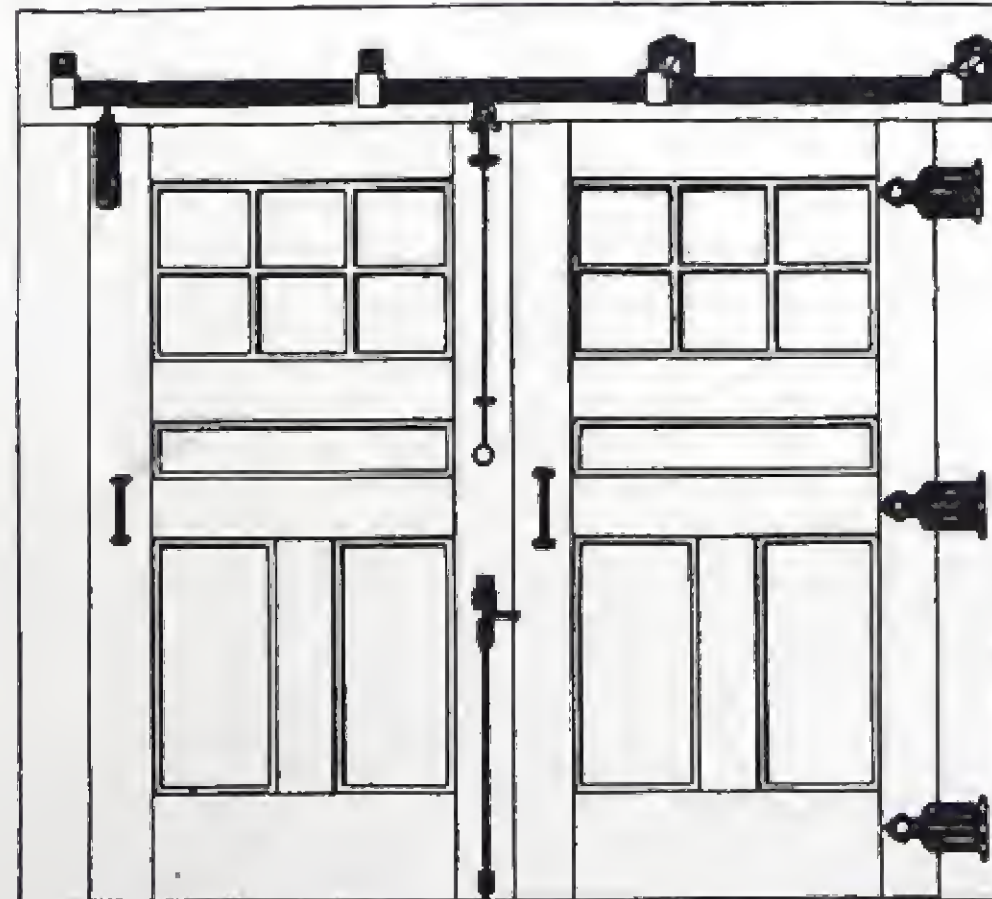


Fig. A-699—Interior elevation showing 435 Hardware, including No. 514 Spring Top Bolt and No. 524-1 Cane Bottom Door Bolt.

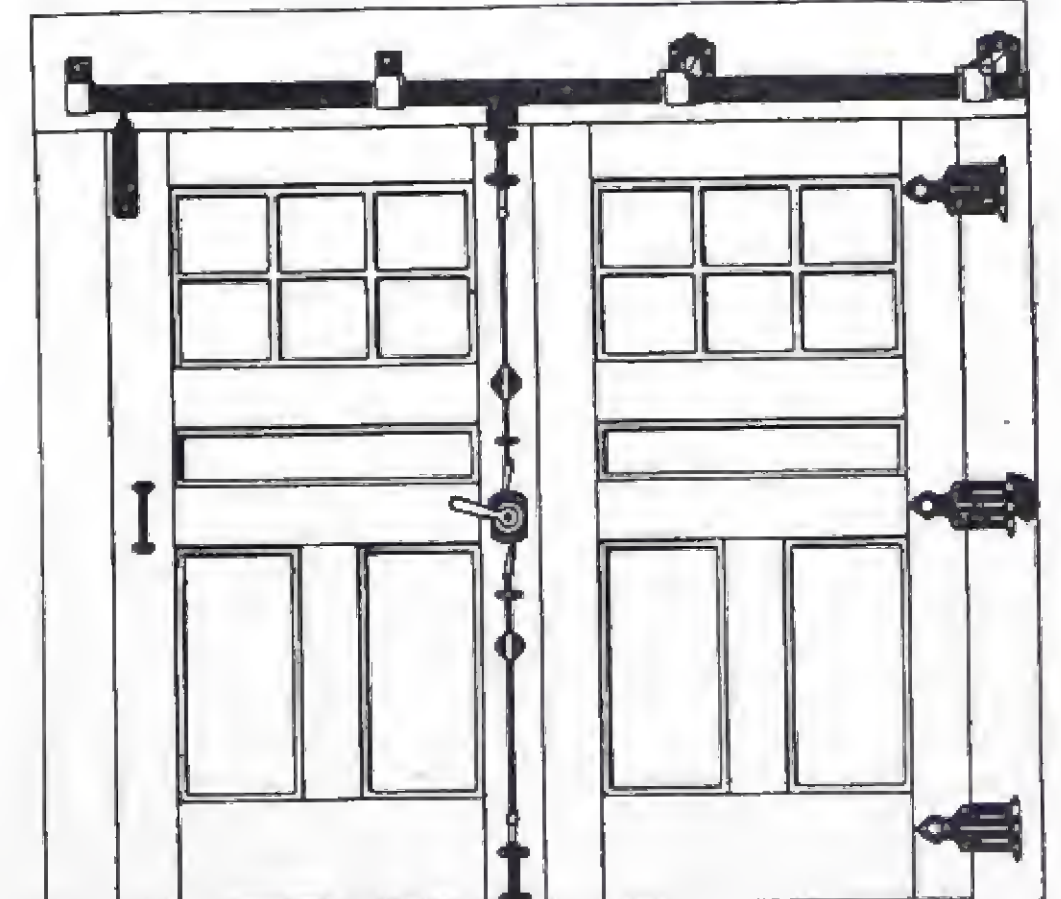


Fig. A-700—Interior elevation showing 435 Hardware, including one No. 517 Cremone Door Bolt. The 417 Bolts are applied the same as are the 517 Bolts.

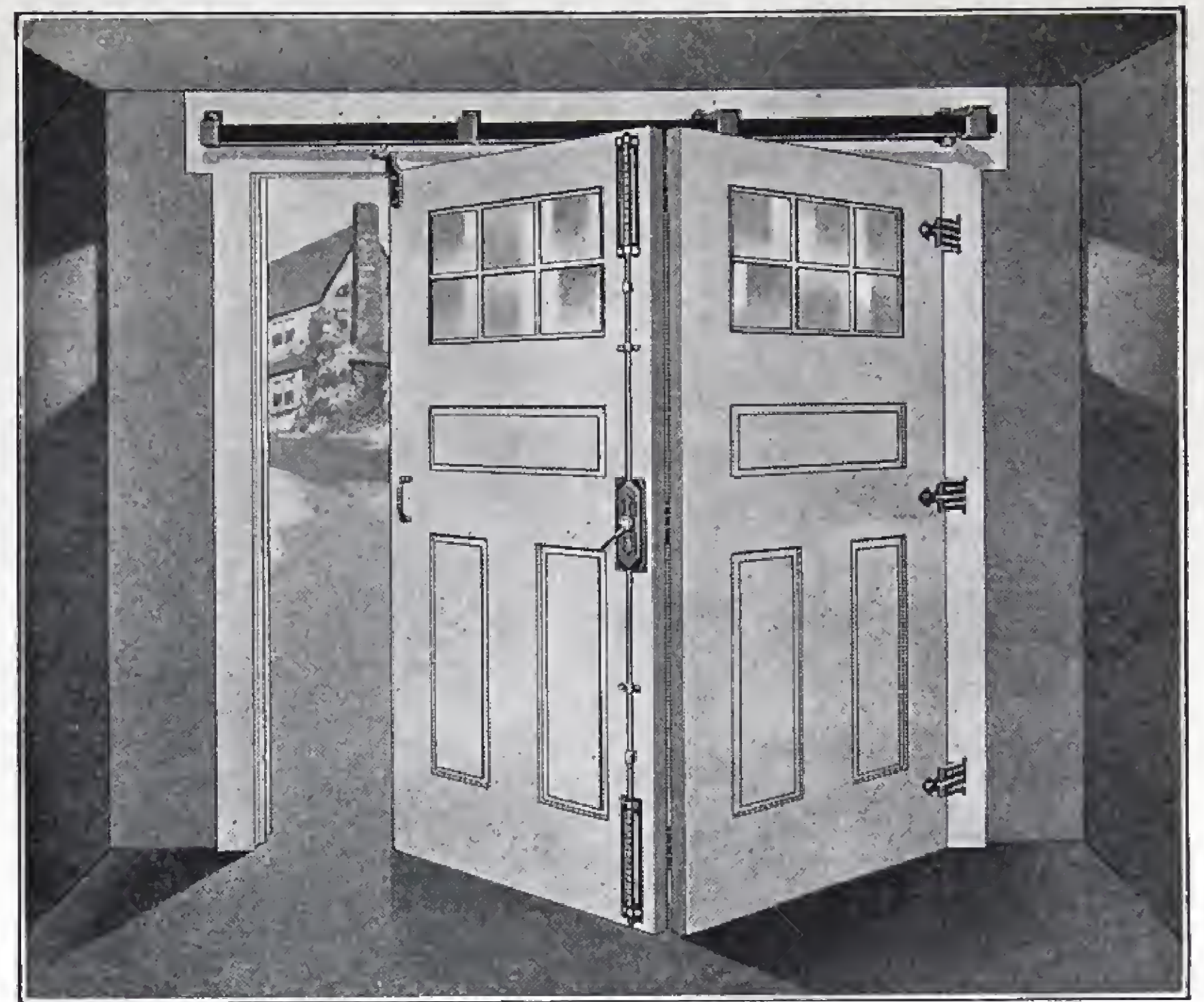
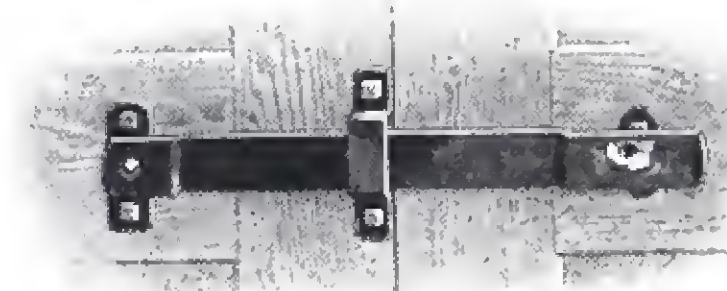


Fig. A-695—Interior View, Doors Partly Opened.

Headroom Required See "A" of Fig. A-697

For No. 31 or 35 Track.....	6 inches
For No. 232 Track.....	8 1/4 inches
For No. 33 Track.....	8 1/2 inches



No. 219 Latch for Out-Opening Doors

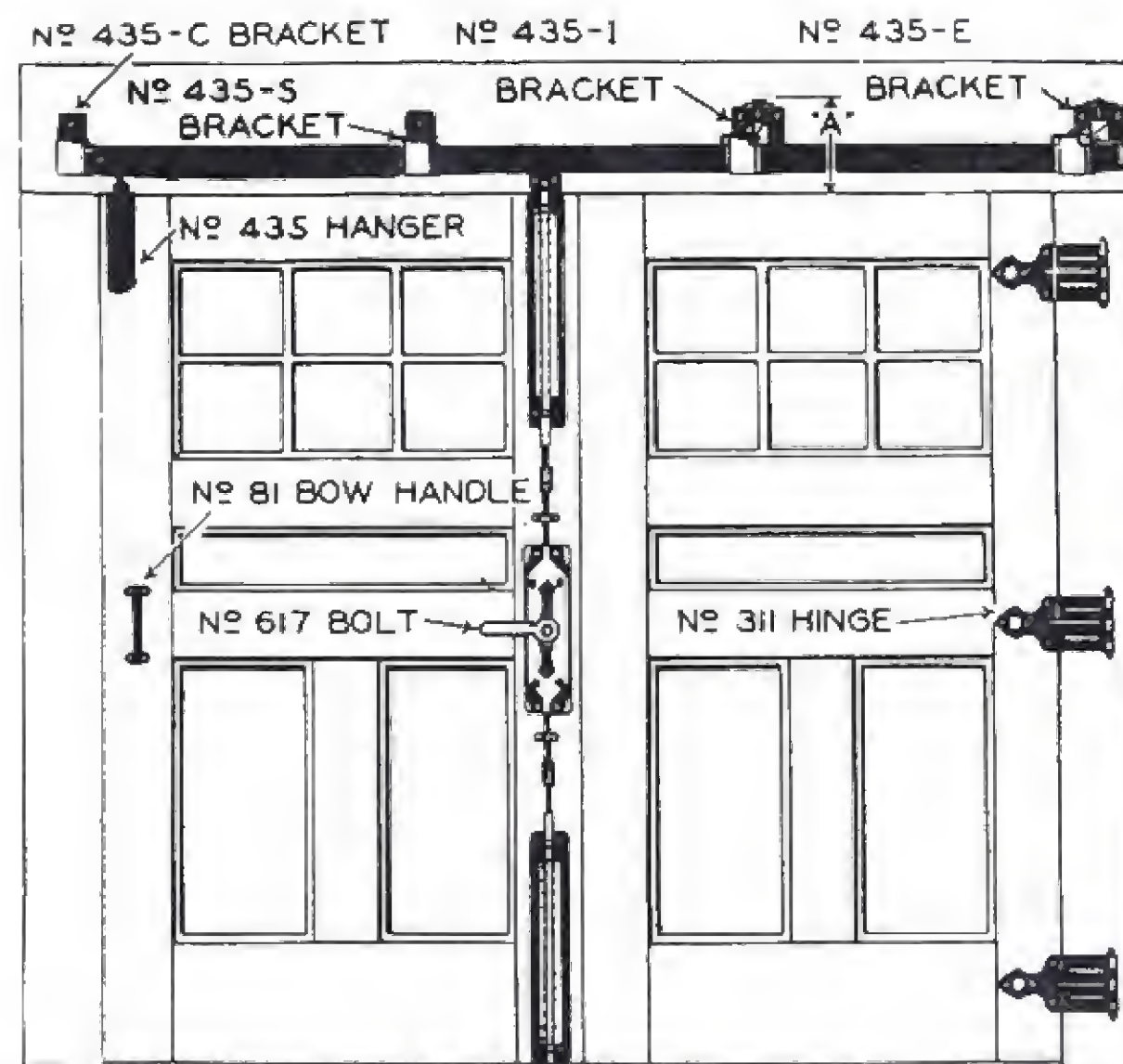


Fig. A-697—Interior elevation showing proper location and names of 435 parts for a 2-Door Set, including one 617 Cremone Bolt.

Slidetite

Patented

R-W No. 435 Sets**3 Doors Opening In**

For Openings up to 9 feet wide

Best results are obtained by using doors not more than 3 feet in width. Wider doors require additional track and brackets. Doors must be of equal width.

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
2 No. 514 Spring Top or Bottom Bolts (page 121).....	\$14.00	48	\$21.30	82	\$24.50	102
1 No. 514 Spring Top Bolt (page 121), and 1 No. 524-1 Cane Bottom Bolt (page 121).....	14.00	49	21.30	83	24.50	103
1 No. 414 Self-Aligning Top Bolt (page 119), and 1 No. 524-1 Cane Bottom Bolt (page 121).....	14.25	50	21.55	84	24.75	104
2 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	14.50	50	21.80	84	25.00	104
1 No. 417 Chain Top and Bottom Bolt (page 118).....	15.40	54	23.20	87	26.90	108
*1 No. 517 Cremone Bolt, for doors up to 9' high (page 119).....	17.60	56	25.40	89	29.10	110
*1 No. 617 Cremone Bolt, for doors up to 10' high (page 120).....	21.50	58	29.30	91	33.00	112

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, Expansion Shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

*If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware. Width and height of doors. Kind of Locking Bolts wanted. Kind of Trolley Track wanted.

Example Order—One set 3-door "Slidetite" No. 435 for opening 9 feet wide, 8 feet high, doors 1 3/4 inches thick, including No. 514 Bolts and No. 31 Trolley track.

Complete 3-Door set packed in box, including track, shown on page 140.

Detail of Hardware and List of Parts

Diagrams of Next Page Show Installation Details

Quantity of Hardware Required for 3-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
1 Hanger, Roller Bearing.....	435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
1 Bracket, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
1 Bracket, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
1 Bracket, End Track.....	435x31-E	"	1035x232-E	"	1035x33-E	"
1 1/2 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
1 1/2 Pr. Hinges, Butt.....	435-4"x4"	"		"		"
3 Pr. Hinges, Butt.....	435-2 1/2"x4"	"	435-5"x5"	"	435-5"x5"	"
1 1/2 Pr. Hinges, Surface.....		"	435-12"x4"	"	435-12"x4"	"
1 Bow Handle.....	81-1	"	81-2	"	81-2	"
1 Center Floor Guide.....	271	"	271	"	271	"
2 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)						
2 Spring Top or Bottom Bolts.....	514-1	See Page 121	514-2	See Page 121	514-2	See Page 121
1 or 2 Self-aligning Top or Bottom Bolts.....	414-1	119	414-2	119	414-2	119
1 Spring Top Bolt.....	514-1	121	514-2	121	514-2	121
and 1 Cane Bottom Bolt.....	524-1	121	524-1	121	524-1	121
1 Self-aligning Top Bolt.....	414-1	119	414-2	119	414-2	119
and 1 Cane Bottom Bolt.....	524-1	121	524-1	121	524-1	121
1 Chain Top and Bottom Bolt.....	417	118	417	118	417	118
1 Cremone Bolt, for doors up to 9' high.....	517	119	517	119	517	119
1 Cremone Bolt, for doors up to 10' high.....	617	120	617	120	617	120

Notes—†When using No. 35 Track specify No. 435-4 Hangers. *Length of Track equals width of two doors plus approximately one foot. ‡In this case one extra No. 81 Bow Handle is required. §If desired for higher doors order extra 18" sections which list at 80 cents each.

3-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set, \$10.00. Shipping weight 31 pounds. For No. 33 track, per set, \$18.80. Shipping weight 68 pounds.
For No. 232 track, per set, 16.70. Shipping weight 62 pounds. Example Order—1 Short Set 3-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Set

"Slidetite" No. 1035 Heavy Hardware with offset hinges, designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30-39.

Discount.....

Slidetite

Patented

R-W No. 435 Hardware

3 Doors Opening In

CONTINUED

Headroom Required See "A" of Fig. A-703

For No. 31 or 35 Track.....	6 inches
For No. 232 Track.....	8¼ inches
For No. 33 Track.....	8½ inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

All illustrations on this page show 31 Track with 311 Offset Hinges at the jambs toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track is used, 435-5" Butts are furnished.

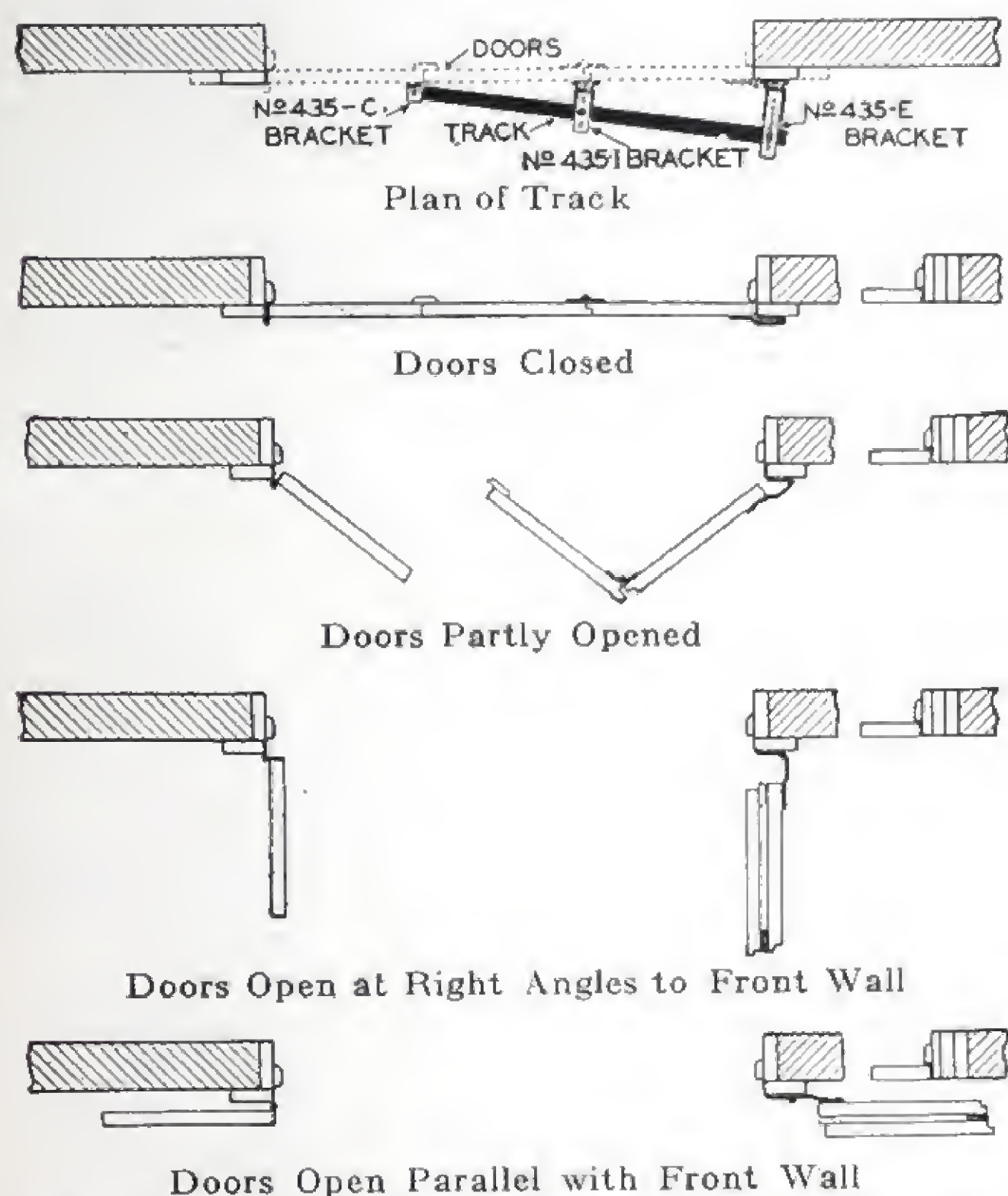


Fig. A-701—Main Floor Plans show correct design of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

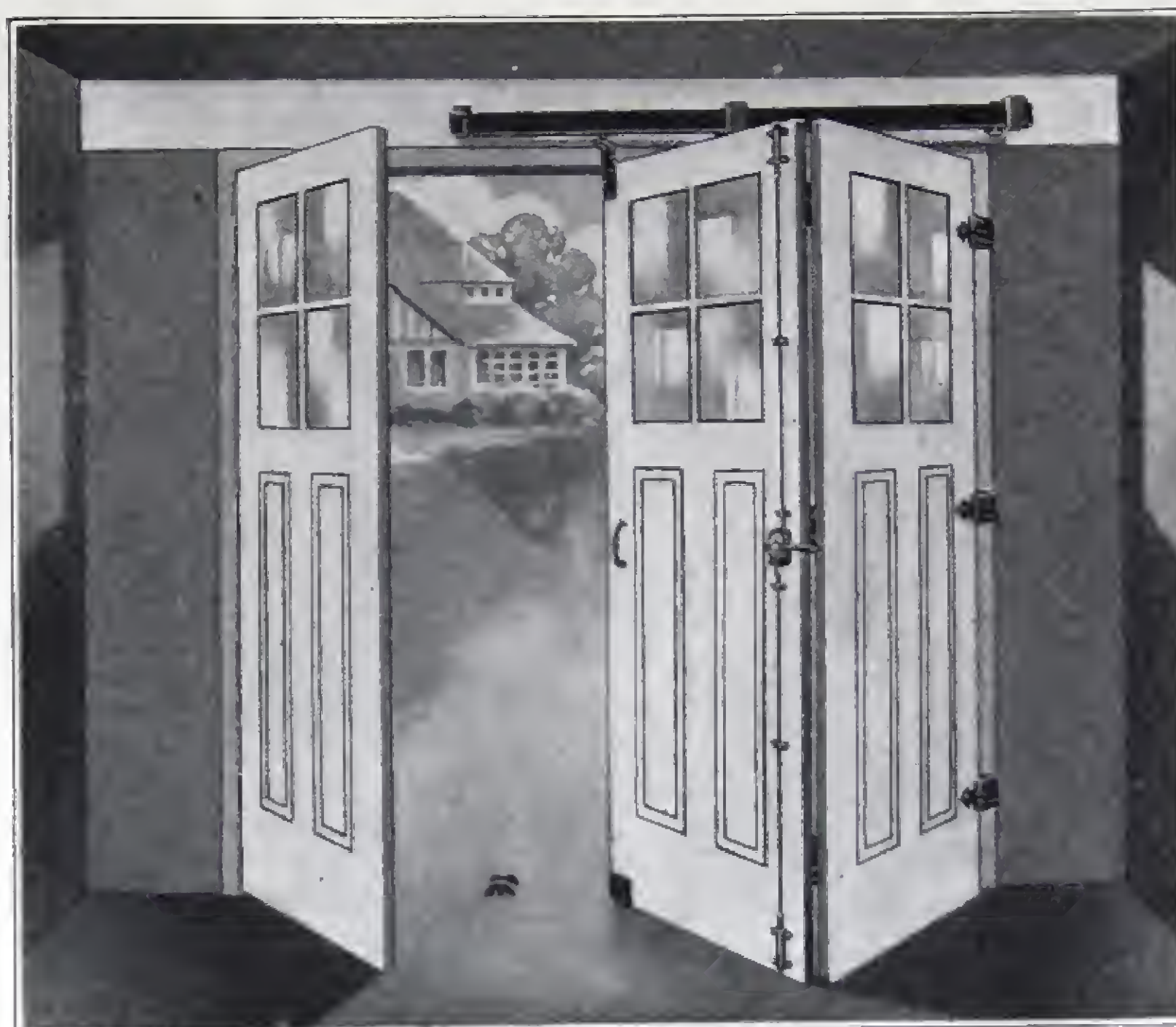


Fig. A-702—Interior View. Doors Partly Opened.

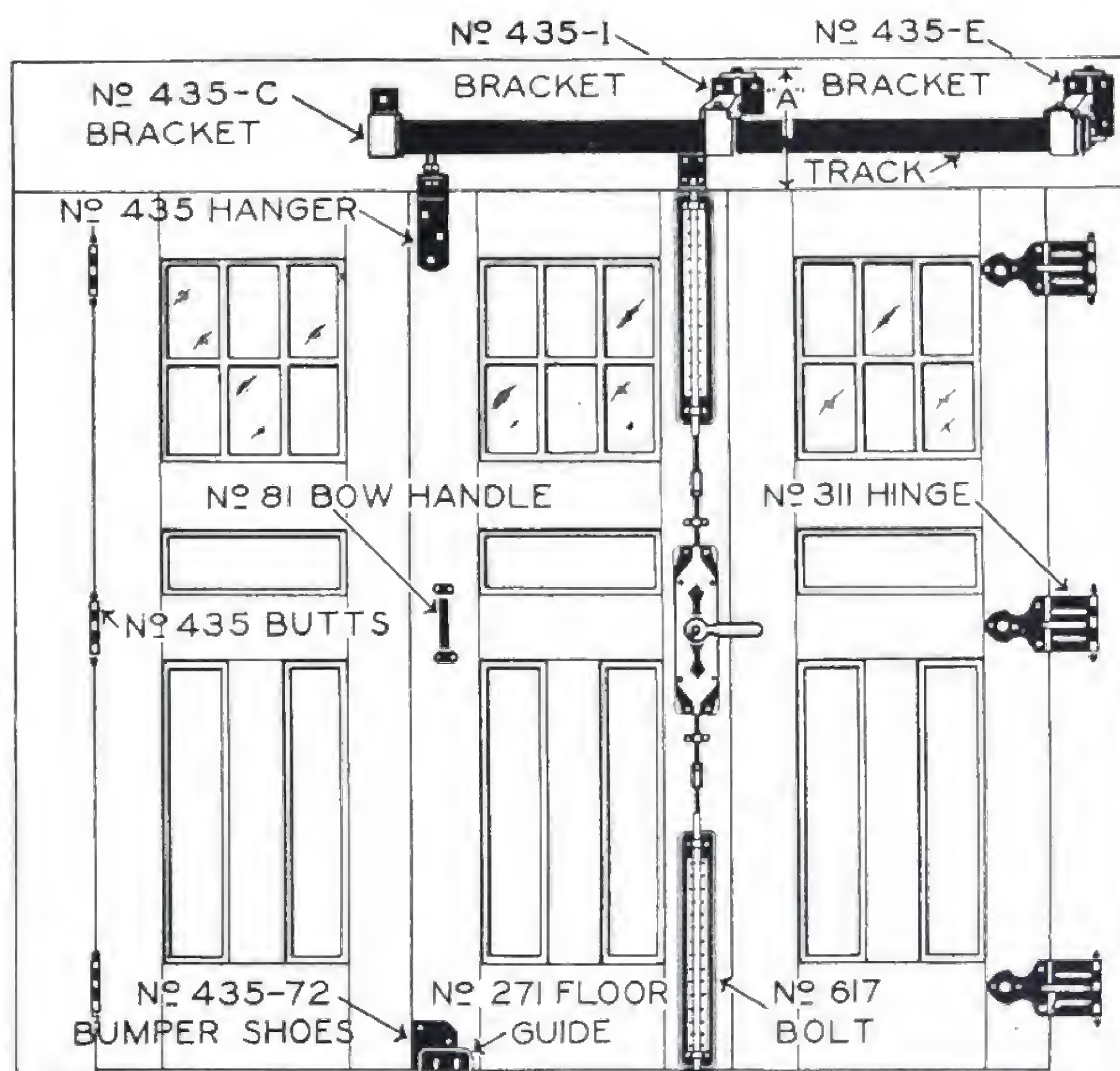


Fig. A-703—Interior elevation showing proper location and names of 435 parts for 3-Door Sets, including 617 Cremone Bolt.

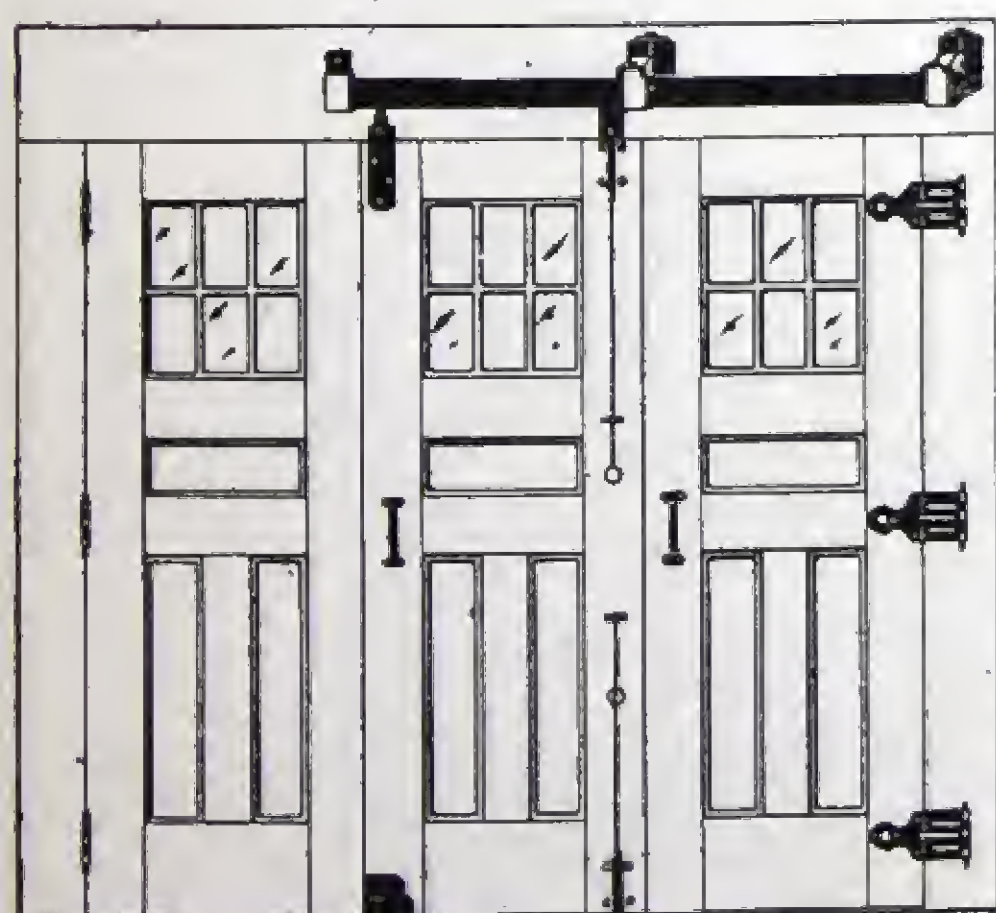


Fig. A-704—Interior elevation showing 435 Hardware, including No. 514 Spring Top and Bottom Door Bolts. The No. 414 Bolts are applied the same as are the No. 514 Bolts.



Fig. A-705—Interior elevation showing 435 Hardware, including No. 514 Spring Top Bolt and No. 524-1 Cane Bottom Door Bolt.



Fig. A-706—Interior elevation showing 435 Hardware, including No. 517 Cremone Bolt.

Slidetite

Patented

R-W No. 435 Sets**One-Track 4-Door Sets
Doors Opening In****For Openings Up to 12 Feet Wide**

Best results are obtained by using doors not more than 3 feet in width. Wider doors require additional track and brackets. Doors must be of equal width.

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
4 No. 514 Spring Top or Bottom Bolts (page 121).....	\$16.00	55	\$24.60	89	\$28.20	108
2 No. 514 Spring Top Bolts (page 121), and 2 No. 524-1 Cane Bottom Bolts (page 121).....	16.00	56	24.60	90	28.20	109
2 No. 414 Self-Aligning Top Bolts (page 119), and 2 No. 524-1 Cane Bottom Bolts (page 121).....	16.50	58	25.10	92	28.70	111
4 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	17.00	59	25.60	93	29.20	112
2 No. 417 Chain Top and Bottom Bolts (page 118).....	19.05	63	28.40	97	32.30	115
2 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	22.85	70	32.80	105	36.70	125
2 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	31.25	74	40.60	109	44.50	129

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.
§ If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware, width and height of opening, thickness of doors. Kind of bolts wanted, kind of Trolley Track wanted.
Example Order—One set one-track, four-door "Slidetite" No. 435 for opening 12 feet wide, 8 feet high, doors 1 3/4 inches thick including No. 514 Locking Bolts and No. 31 Track.
Complete one-track, four-door set packed in box, including track, shown on page 140.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for One-Track 4-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
1 Hanger, Roller Bearing.....	435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
1 Bracket, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
1 Bracket, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
1 Bracket, End Track.....	435x31-E	"	1035x232-E	"	1035x33-E	"
1 1/2 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
1 1/2 Pr. Hinges, Butt.....	435-4"x4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
3 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435	"	435	"
1 Door Holder.....	119	"	119	"	119	"
1 Tie Rod for Doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
or 1 Tie Rod for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
† 4 Spring Top or Bottom Bolts.....	514-1	121	514-2	121	514-2	121
† or 4 Self-Aligning Top or Bottom Bolts.....	414-1	119	414-2	119	414-2	119
† 2 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
† and 2 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
† 2 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
† and 2 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
2 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
2 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
2 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120

Notes—† When using No. 35 Track specify No. 435-4 Hanger s. * Length of track equals width of two doors plus approximately one foot. ‡ In this case two extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections which list at 80 cents each.

One-Track 4-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set \$11.00. Shipping weight 33 pounds. For No. 33 track, per set \$19.60. Shipping weight 75 pounds.
For No. 232 track, per set 17.00. Shipping weight 69 pounds. **Example Order**—1 Short Set 1-track, 4-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Set

"Slidetite" Heavy Hardware with offset hinges designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount

Slidetite

Patented

R-W No. 435

Garage Door Hardware

One-Track 4-Door Sets

Doors Open In

CONTINUED

Headroom Required See "A" of Fig. A 709

For No. 31 or 35 Track.....	8 1/4 inches
For No. 232 Track.....	11 1/4 inches
For No. 33 Track.....	11 1/2 inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

All illustrations on this page show 31 Track with 311 Offset Hinges at jamb toward which the 3 Doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

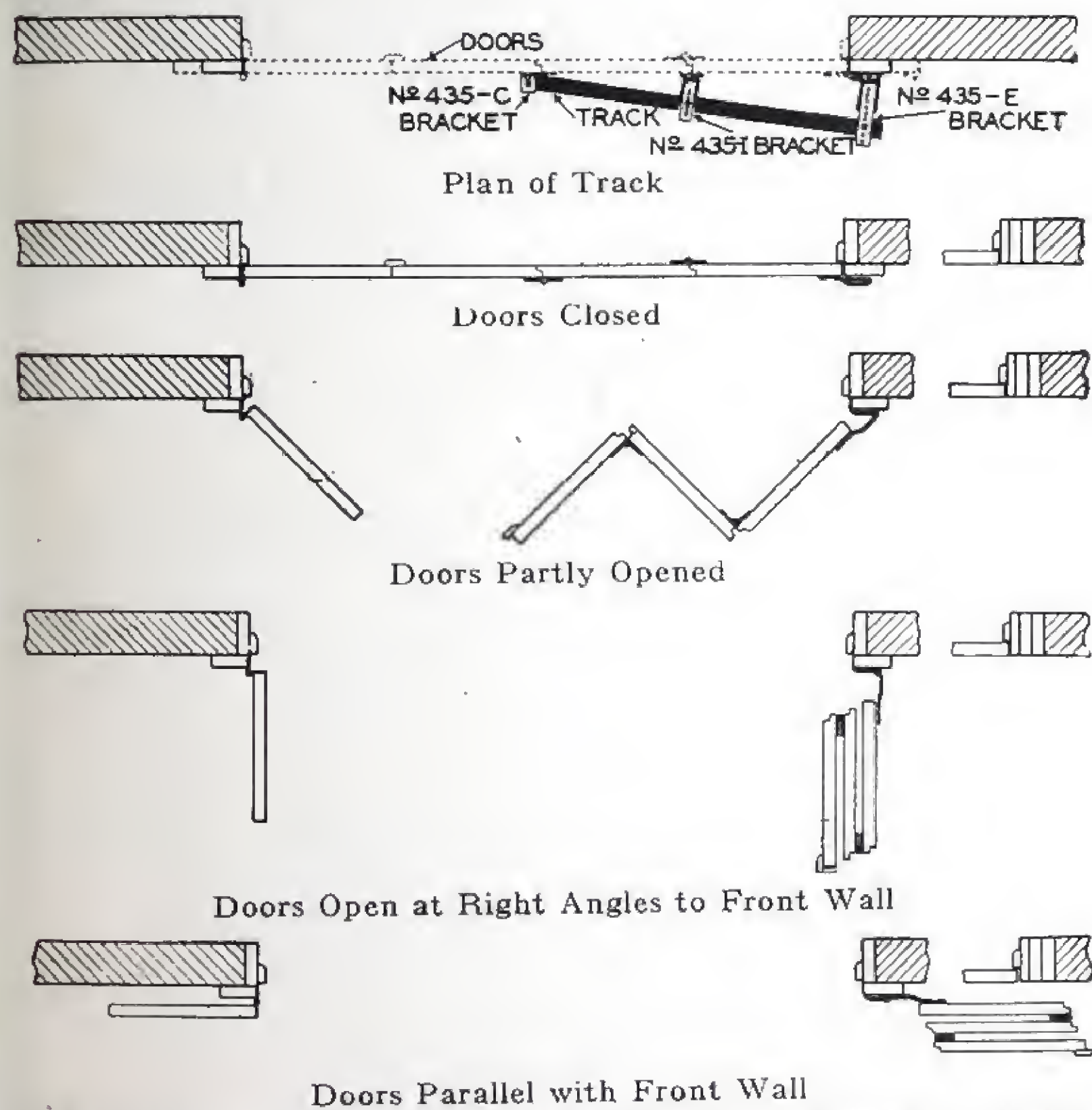


Fig. A-707—Main Floor Plans show correct designs of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

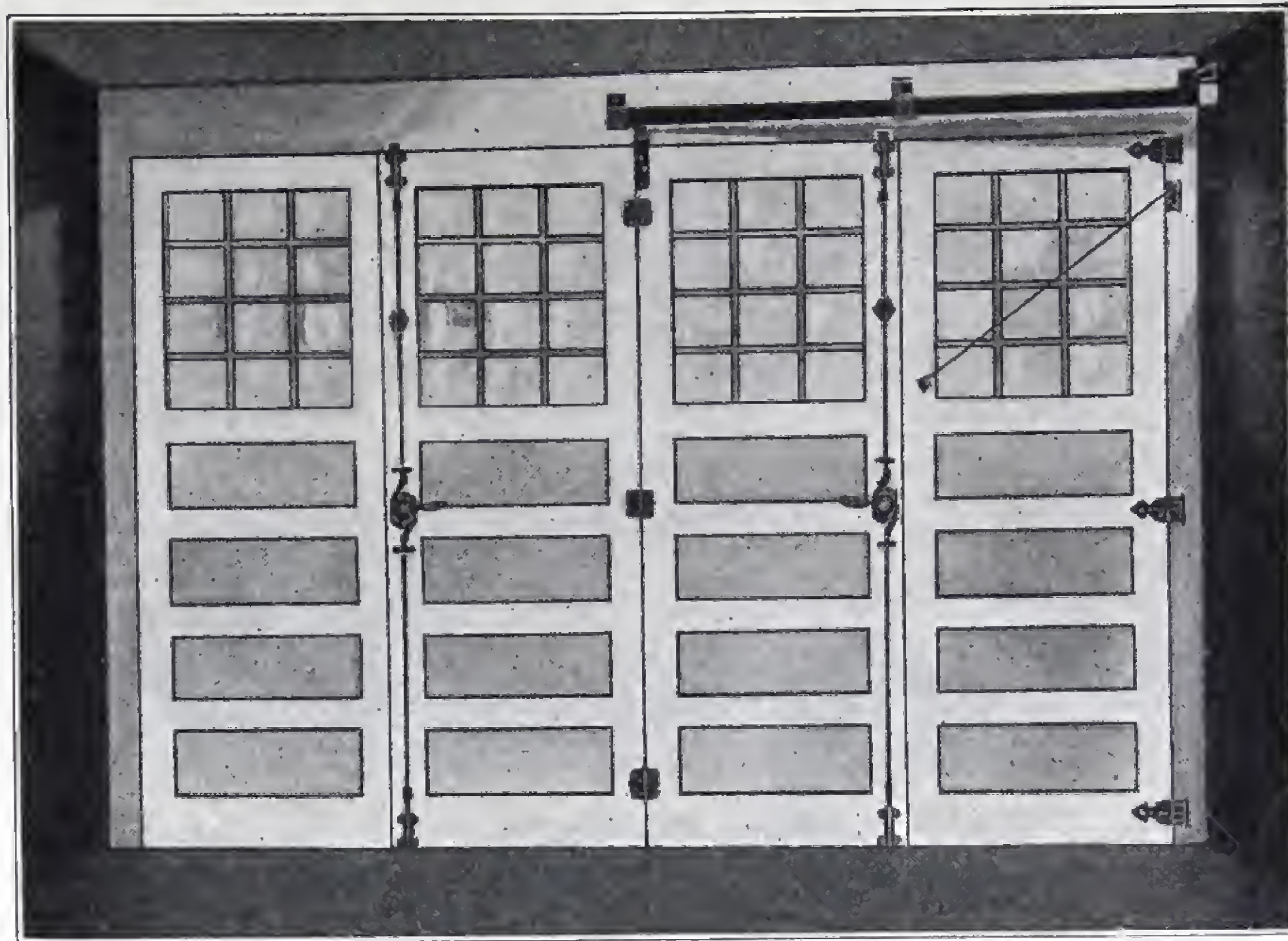


Fig. A-708—Interior View. Doors Closed.

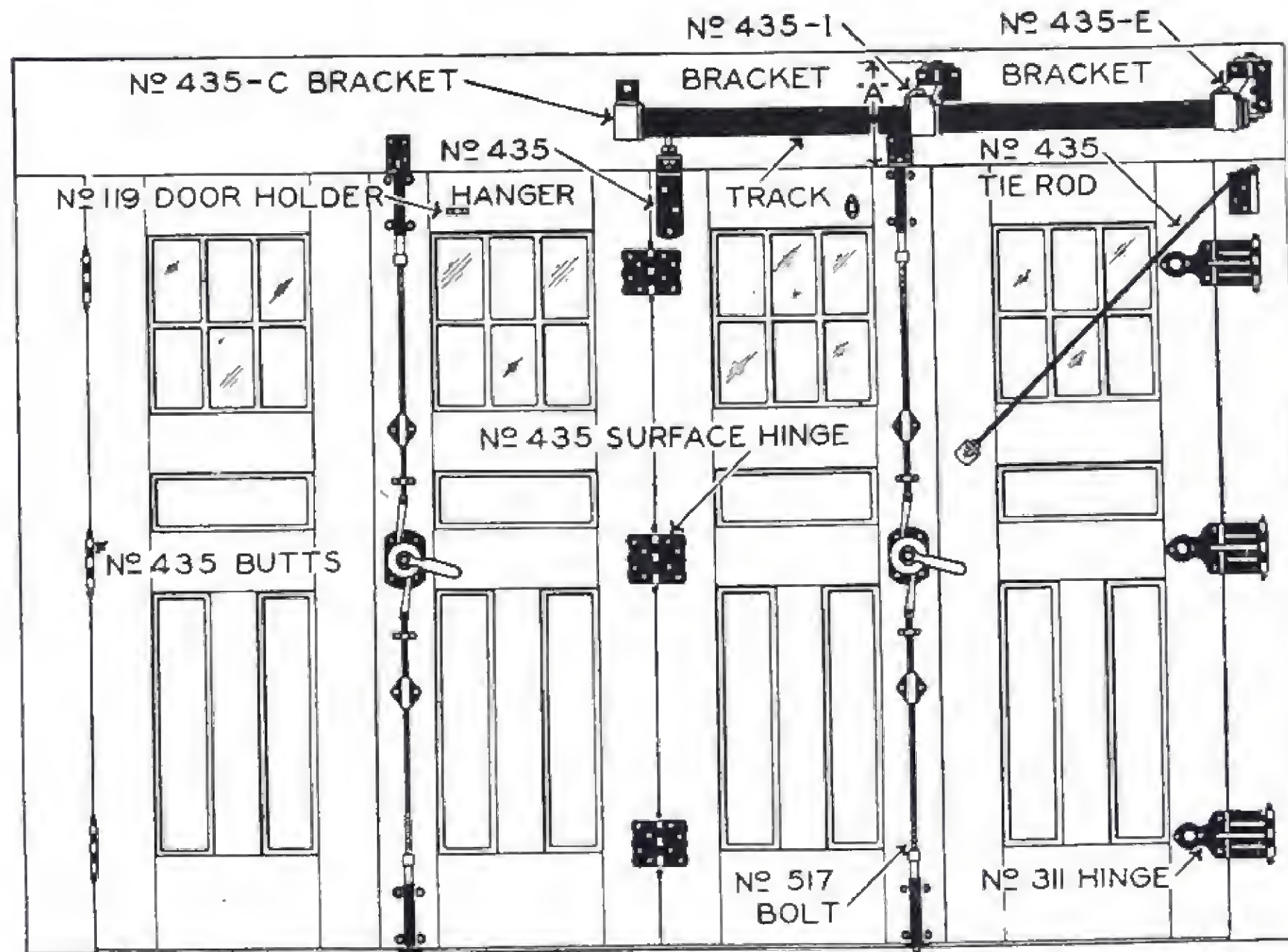


Fig. A-709—Interior Elevation showing proper location and names of 435 Parts for One-Track 4-Door Sets, including 517 Cremone Bolts.

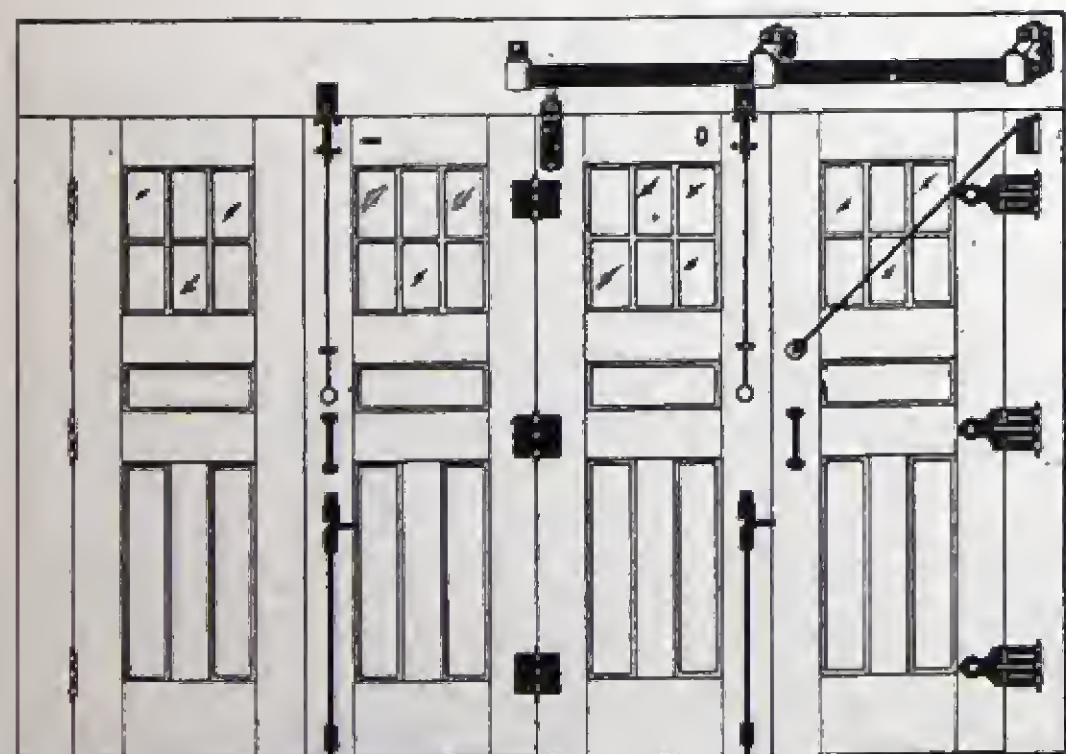


Fig. A-710—Interior Elevation showing 435 Hardware, including No. 514 Spring Top Bolt and No. 524-1 Cane Bolts.

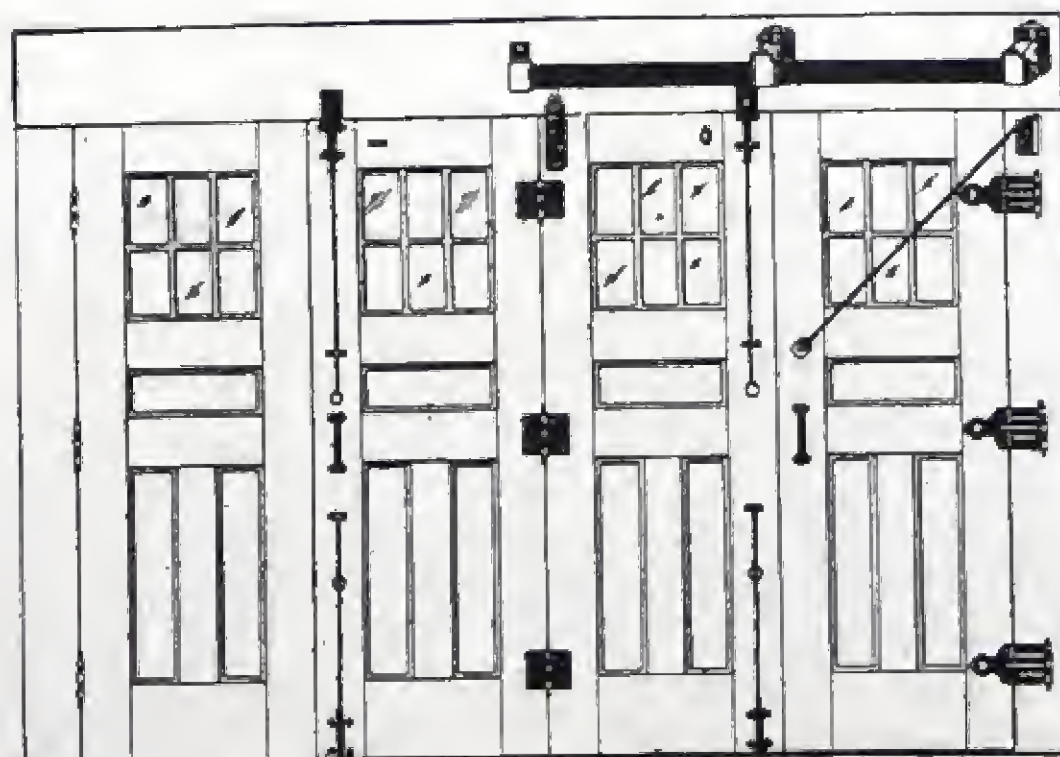


Fig. A-711—Interior Elevation showing 435 Hardware, including No. 514 Spring Top and Bottom Bolts. The No. 414 Bolts are applied the same as are the No. 514 Bolts.

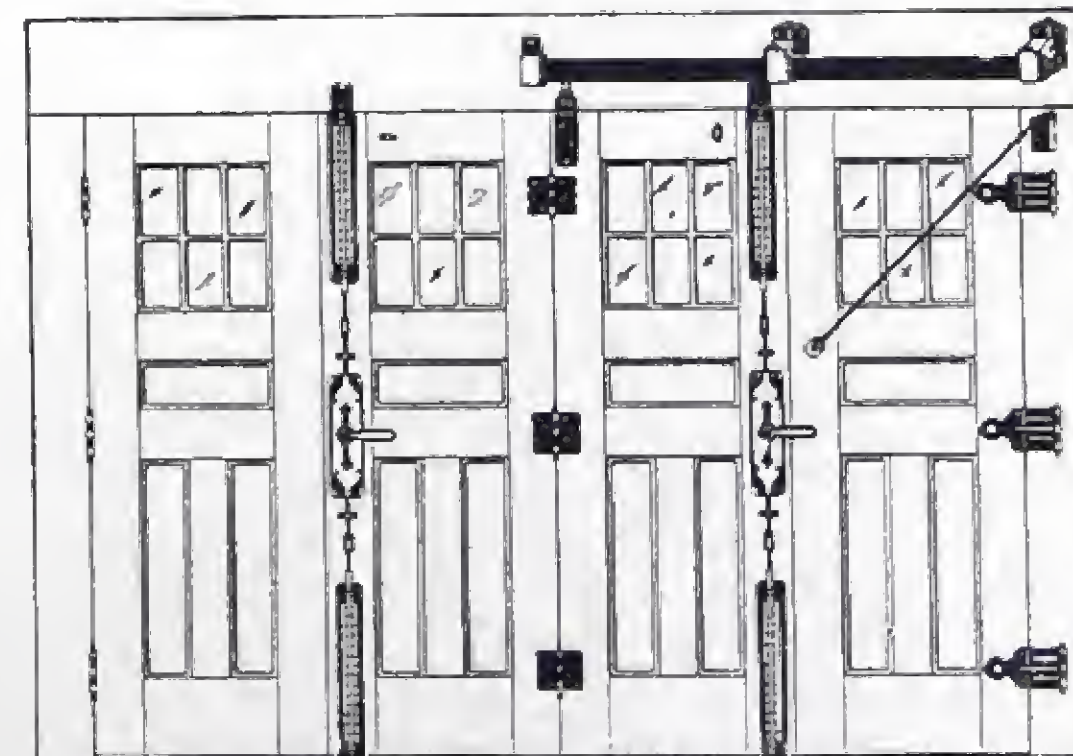


Fig. A-712—Interior Elevation showing 435 Hardware, including 617 Cremone Bolts.

Slidetite

Patented

R-W No. 435 Sets**Two-Track 4-Door Sets
Doors Opening In****For Openings up to 12 Feet Wide**

Best results are obtained by using doors not more than 3 feet in width. Wider doors require additional track and brackets. Doors must be of equal width.

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
4 No. 514 Spring Top or Bottom Bolts (page 121).....	\$21.00	83	\$39.50	139	\$46.00	156
2 No. 514 Spring Top Bolts (page 121), and 2 No. 524-1 Cane Bottom Bolts (page 121).....	21.00	84	39.50	141	46.00	158
2 No. 414 Self-Aligning Top Bolts (page 119), and 2 No. 524-1 Cane Bot- tom Bolts (page 121).....	21.50	86	40.00	143	46.50	160
4 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	22.00	87	40.50	143	47.00	160
2 No. 417 Chain Top and Bottom Bolts (page 118).....	22.80	90	43.30	147	49.80	164
12 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	27.20	97	47.70	154	54.20	170
12 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	35.00	102	55.50	159	62.00	175
12 No. 617 Cremone Bolts, and 1 No. 1125 outside lock (page 120).....	38.00	104	58.50	161	65.00	177

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete. Expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware. If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware, width and height of opening, thickness of doors. Kind of Locking Bolts wanted. Kind of Trolley Track wanted.
Example Order—One set two-track 4-door "Slidetite" for opening 12 feet wide, 8 feet high, doors 1 1/4 inches thick including No. 514 Locking Bolts and No. 31 Trolley Track.
Complete two-track 4-door set packed in box, including track, shown on page 140.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Two-Track 4-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
2 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
2 Brackets, End Track.....	435x31-E	"	1035x232-E	"	1035x33-E	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
3 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435-12"x4"	"	435-12"x4"	"
2 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Center Floor Guide.....	271	"	271	"	271	"
4 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts						
(Selected from the following sets)						
4 Spring Top or Bottom Bolts.....	514-1	See page 121	514-2	See page 121	514-2	See page 121
or 4 Self-Aligning Top or Bottom Bolts.....	414-1	119	414-2	119	414-2	119
2 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
and 2 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
2 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
and 2 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
2 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
2 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
2 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120
2 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120
and one lock.....	1125	120	1125	120	1125	120

Notes—†When using No. 35 Track specify No. 435-4 Hangers. *Two pieces of track, length of each equals width of two doors plus approximately one foot. ‡In this case two extra Bow Handles are furnished. §If desired for higher doors order Extra 18" Sections which list at 80 cents each.

Two-Track 4-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:

For No. 31-35 track, per set \$15.00. Shipping weight, 48 pounds.

For No. 33 track, per set \$35.00. Shipping weight, 115 pounds.

For No. 232 track, per set 30.50. Shipping weight, 105 pounds.

Example Order—1 Short Set Two-Track, 4-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Sets

"Slidetite" Heavy Hardware with offset hinges designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount.....

Slidetite

Patented

R-W No. 435
Garage Door
Hardware
Two-Track
4-Door Sets
Doors Open In
CONTINUED

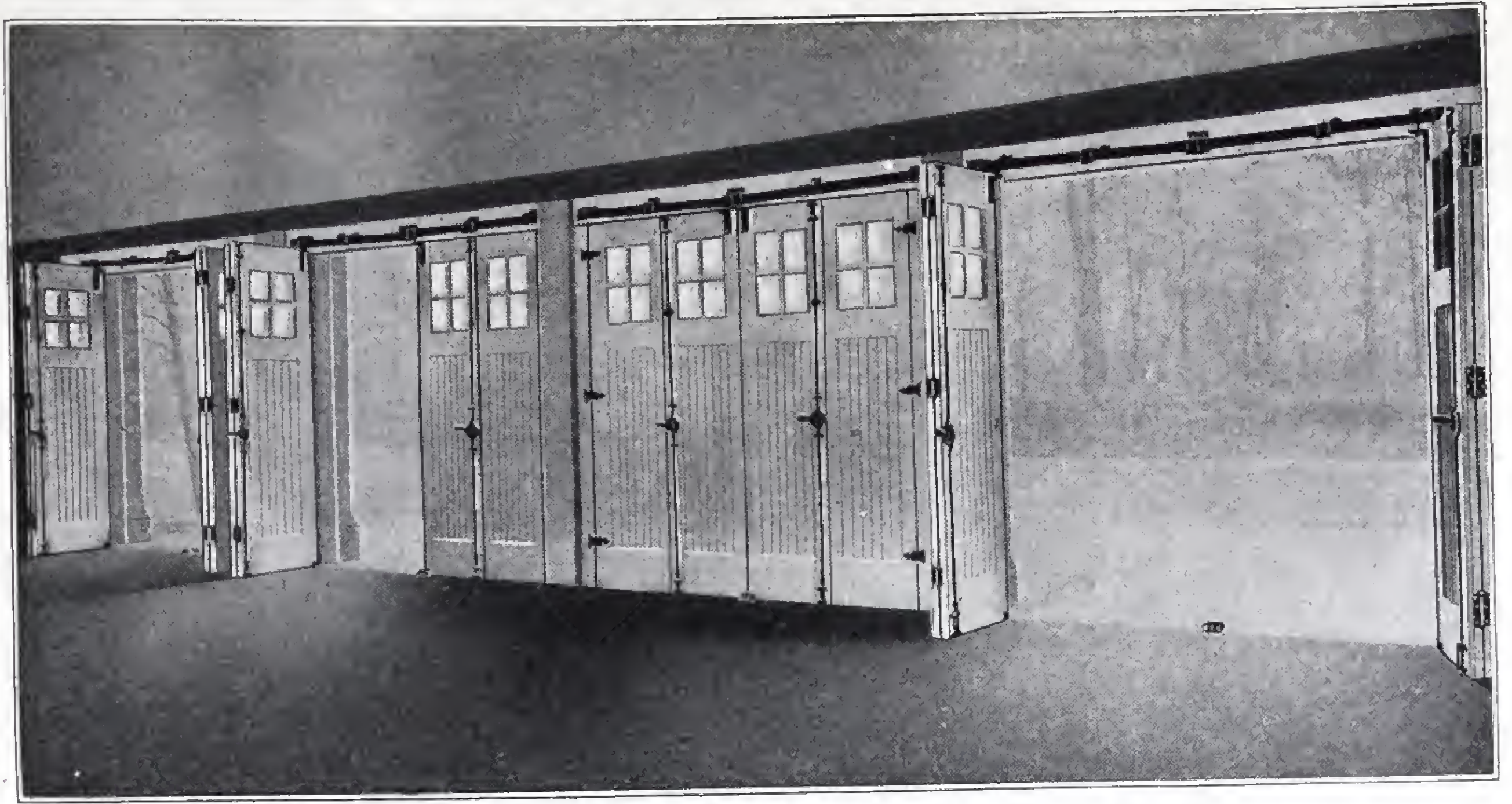


Fig. A-713—Interior View. Four Car Garage. Four Two-Track 4-Door Sets.

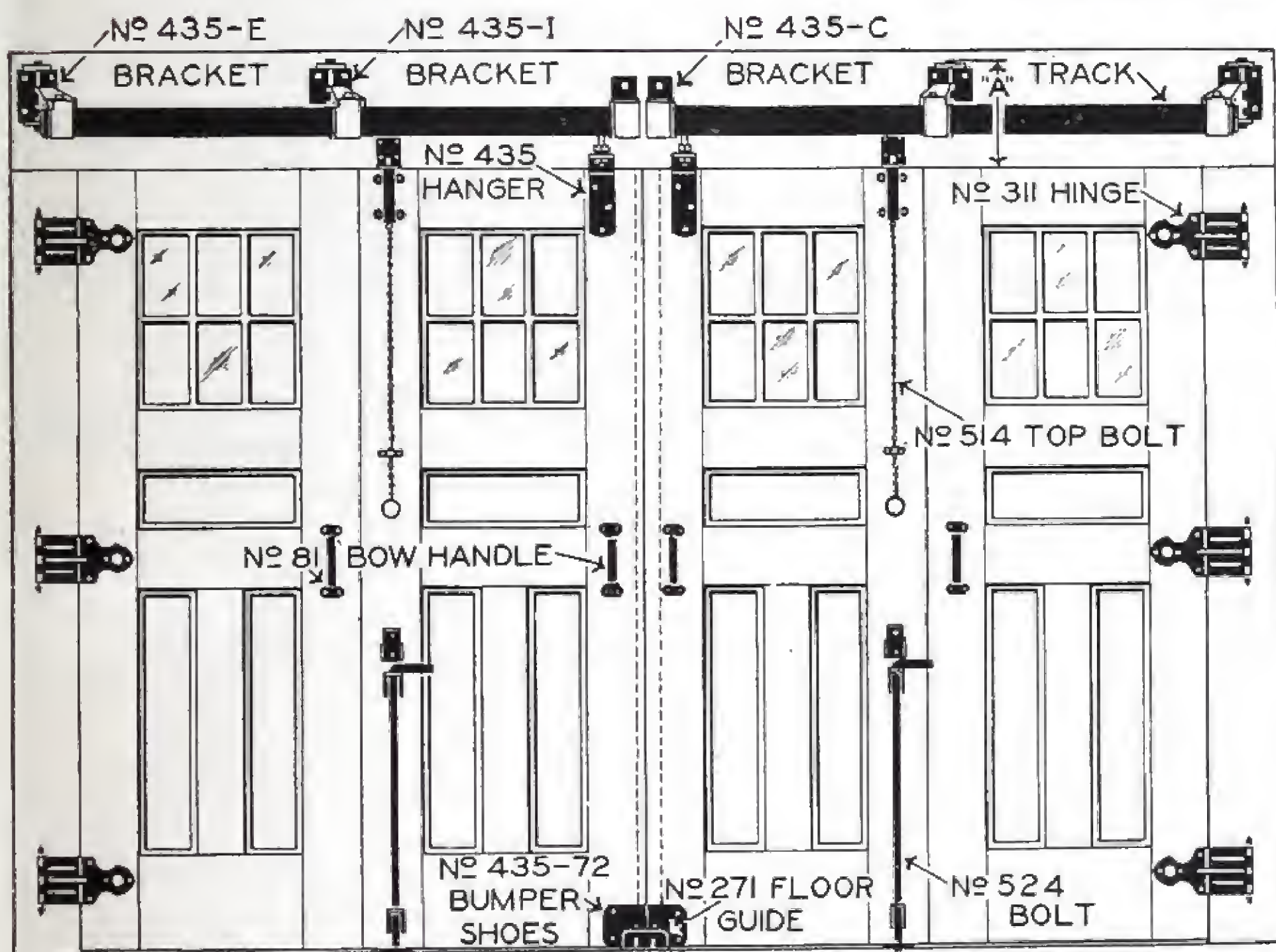


Fig. A-714—Interior Elevation showing proper location and names of 435 Parts for Two-Track 4-Door Sets, including No. 514 Spring Top Bolts and No. 524-1 Cane Bottom Bolts.

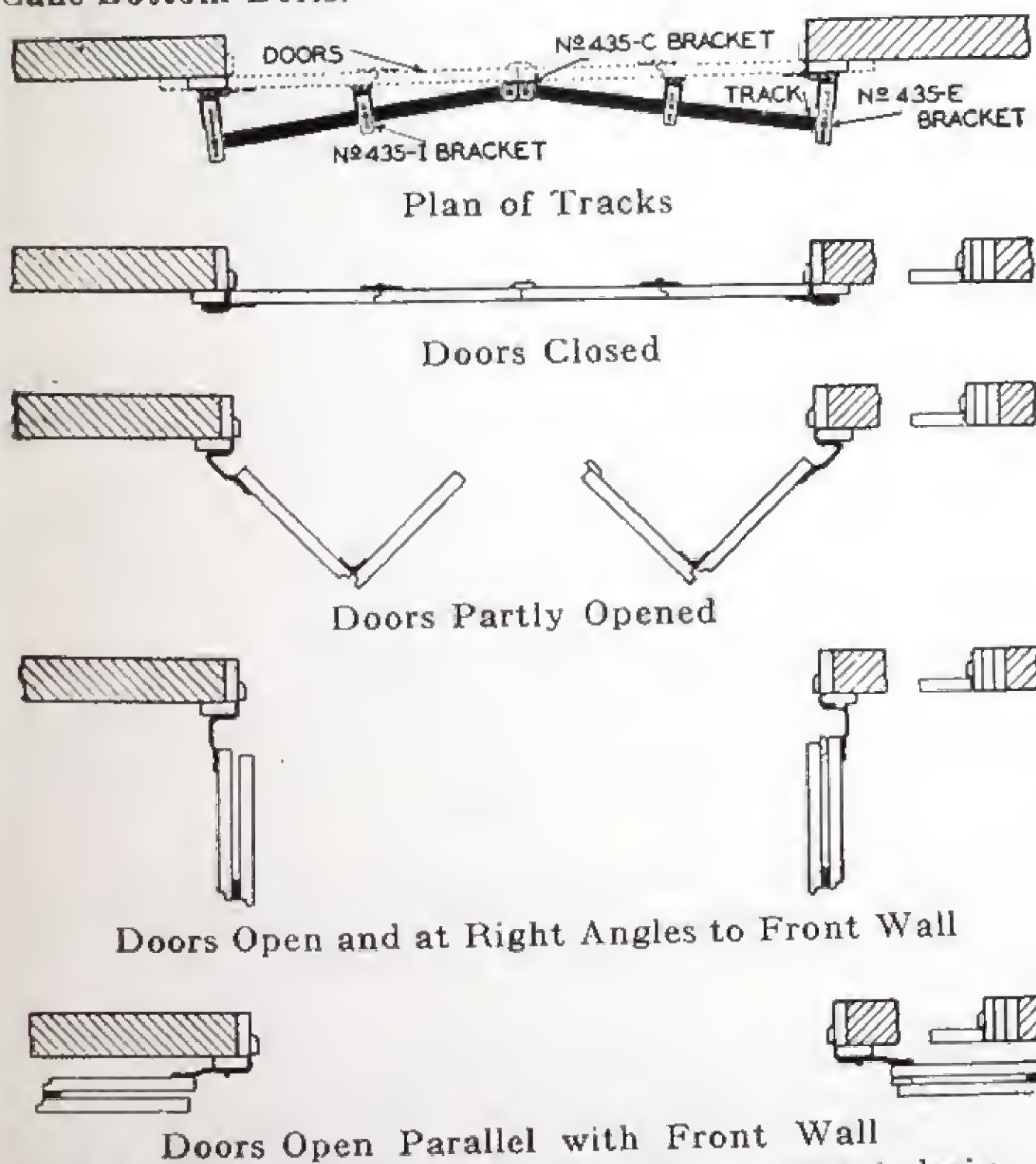


Fig. A-715—Main Floor Plans show correct design of frames and jambs for brick or concrete construction. frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

Headroom Required

See "A" of Fig. A. 714.

For No. 31 or 35 Track... 6 inches
For No. 232 Track..... $8\frac{1}{4}$ inches
For No. 33 Track..... $8\frac{1}{2}$ inches

Location of Bolt Holes and Bracket Spacings are given on page 112. All illustrations on this page show 31-Track with 311 Offset Hinges at both the jambs toward which the pairs of doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

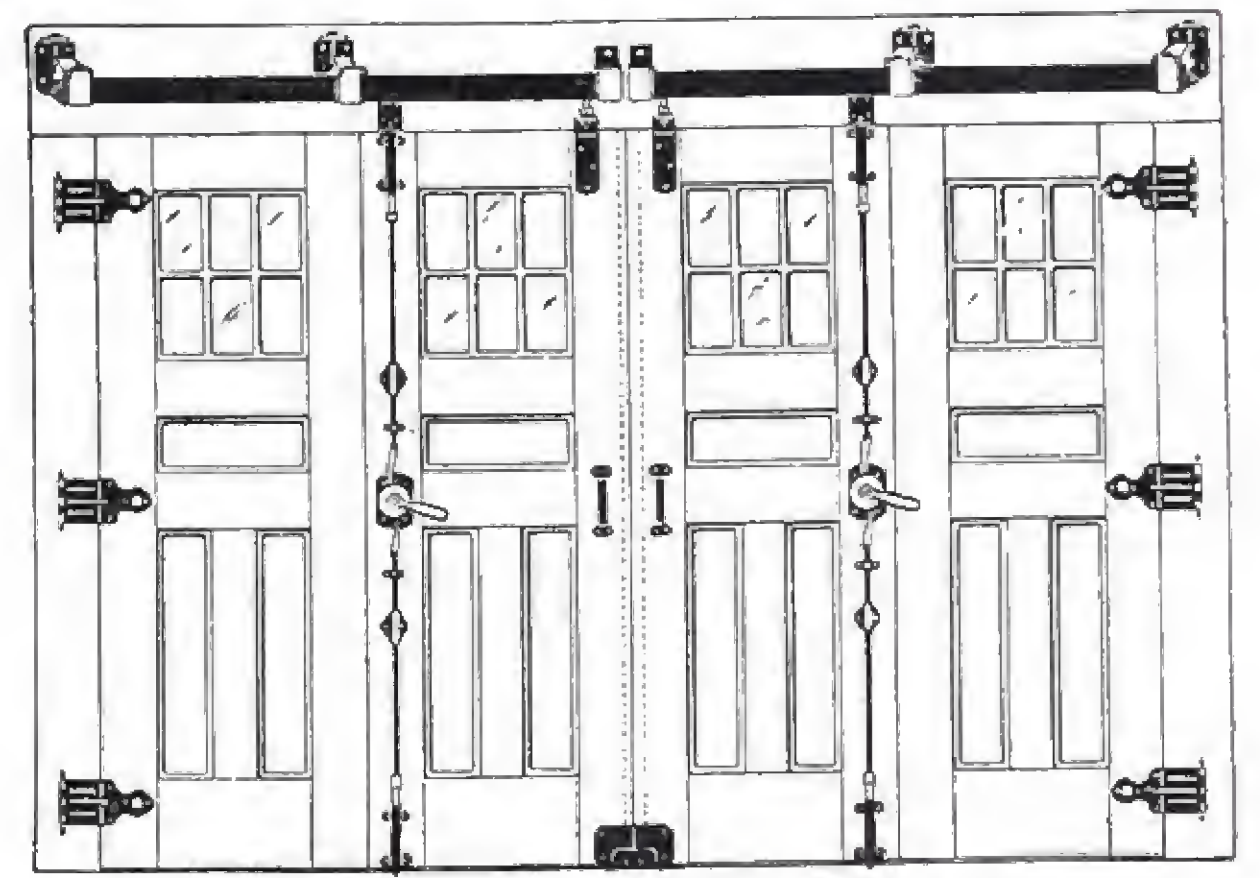


Fig. A-716—Interior Elevation showing 435 Hardware, including 517 Cremone Bolts.

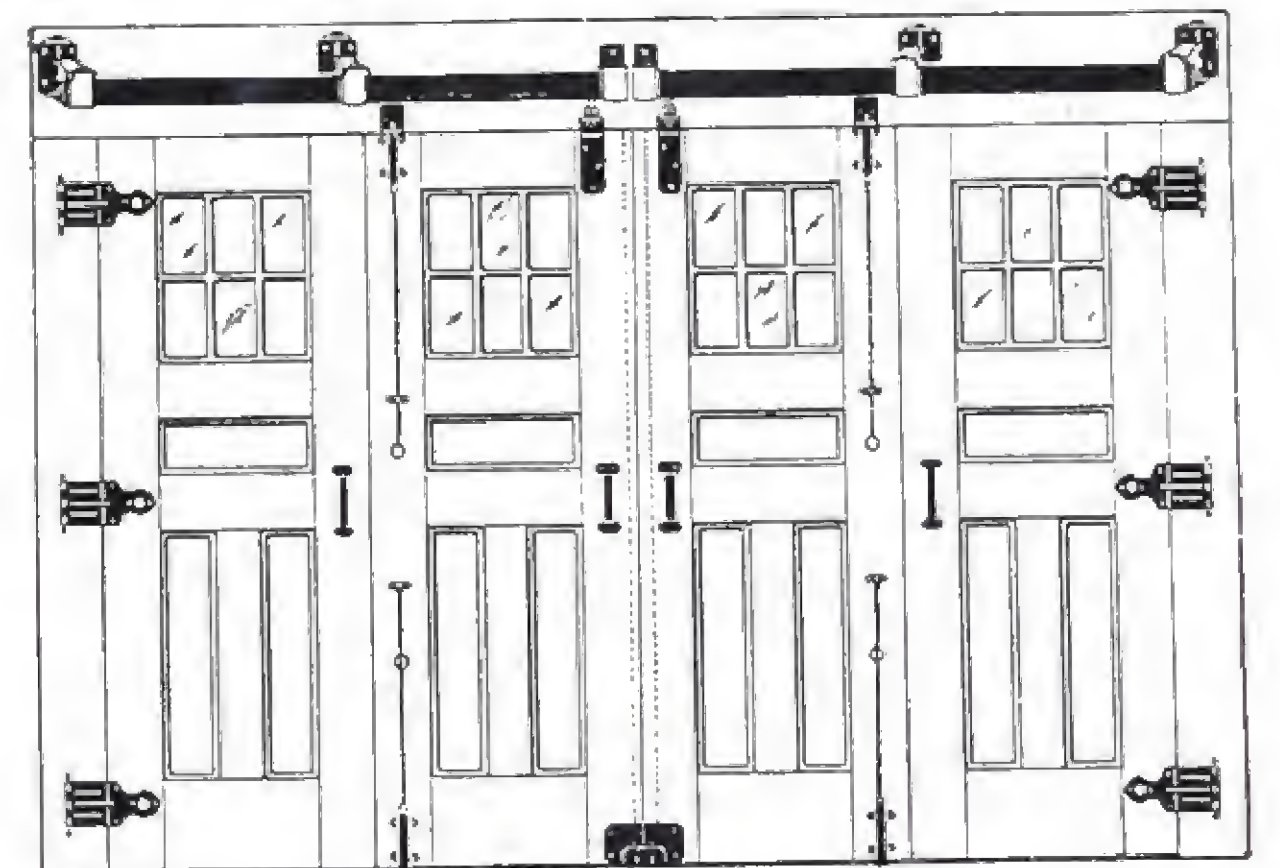


Fig. A-717—Interior Elevation showing 435 Hardware, including 514 Spring Top or Bottom Bolts. 414 Bolts are applied the same as are the 514.

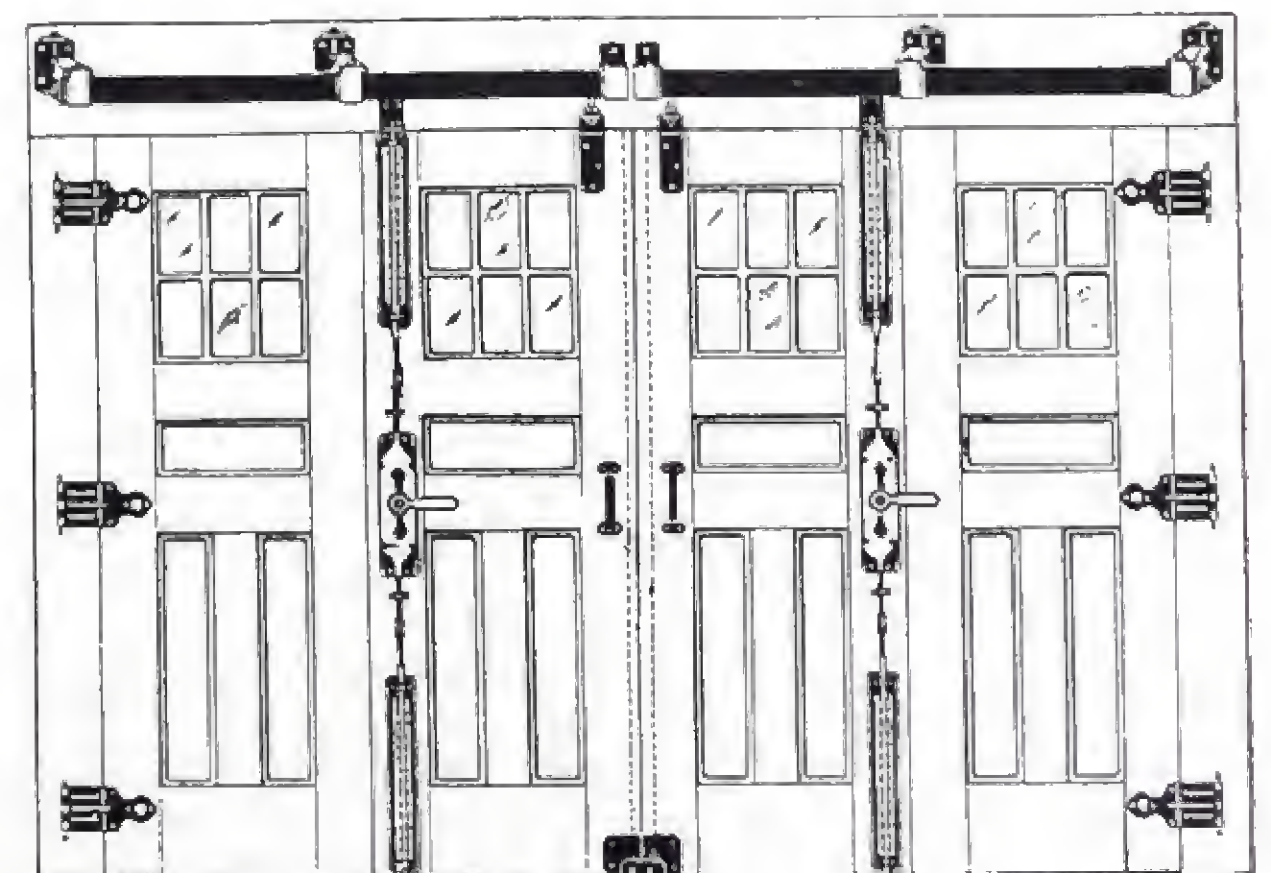


Fig. A-718—Interior Elevation showing 435 Hardware, including 617 Cremone Bolts.

Slidetite

Patented

R-W No. 435 Sets**5 Doors Opening In****For Openings up to 15 Feet Wide**

Best results are obtained by using doors not more than 3 feet in width. Wider doors require additional track and brackets. Doors must be of equal width.

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
4 No. 514 Spring Top or Bottom Bolts (page 121).....	\$24.50	89	\$42.50	149	\$49.00	166
2 No. 514 Spring Top Bolts (page 121), and 2 No. 524-1 Cane Bottom Bolts (page 121).....	24.50	90	42.50	151	49.00	168
2 No. 414 Self-Aligning Top Bolts (page 119), and 2 No. 524-1 Cane Bot- tom Bolts (page 121).....	25.00	92	43.00	153	49.50	170
4 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	25.50	93	43.50	153	50.00	170
2 No. 417 Chain Top and Bottom Bolts (page 118).....	26.80	97	47.30	158	53.80	177
2 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	30.20	103	51.70	166	58.20	186
2 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	38.00	107	59.50	170	66.00	190

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, Expansion Shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

‡ If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of Hardware, width and height of opening. Thickness of doors. Kind of locking Bolts wanted. Kind of Trolley Track wanted.

Example Order—1 set, 5-door "Slidetite" No. 435 for opening 15 feet wide, 8 feet high, doors 1 3/4 inches thick, including No. 514 Locking Bolts and No. 31 Trolley Track.

Complete 5-door set packed in box, including Track, shown on page 140.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details.

Quantity of Hardware Required for 5-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
2 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
2 Brackets, End Track.....	435x31-E	"	1035x232-E	"	1035x33-E	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
4 1/2 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435	"	435	"
1 Bow Handle.....	81-1	"	81-2	"	81-2	"
1 Door Holder.....	119	"	119	"	119	"
1 Center Floor Guide.....	271	"	271	"	271	"
2 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
†1 Tie Rod for doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
† or 1 Tie Rod for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
†4 Spring Top or Bottom Bolts.....	514-1	121	514-2	121	514-2	121
† or 4 Self-Aligning Top or Bottom Bolts.....	414-1	119	414-2	119	414-2	119
†2 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
† and 2 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
†2 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
† and 2 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
2 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
2 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
2 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120

Notes—† When using No. 35 Track specify No. 435-4 Hangers. * Two pieces of track, length of each equals width of two doors plus approximately one foot. ‡ In this case two extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections listing at 80 cents each. † Only used where there is a series of three or more doors hinged together.

5-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set \$17.00. Shipping weight 54 pounds. For No. 33 track, per set \$39.60. Shipping weight 125 pounds.
For No. 232 track, per set 33.50. Shipping weight 110 pounds. **Example Order**—1 Short Set 5-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Set

"Slidetite" Heavy Hardware with offset hinges, designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount.....

Slidetite

Patented

R-W No. 435 Hardware

5-Door Sets

CONTINUED

Doors Open In

Headroom Required

See "A" of Fig. A-720

For No. 31 or 35 Track.....	8 1/4 inches
For No. 232 Track.....	11 1/4 inches
For No. 33 Track.....	11 1/2 inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

All illustrations on this page show 31 track with 311 Offset Hinges at the jambs toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

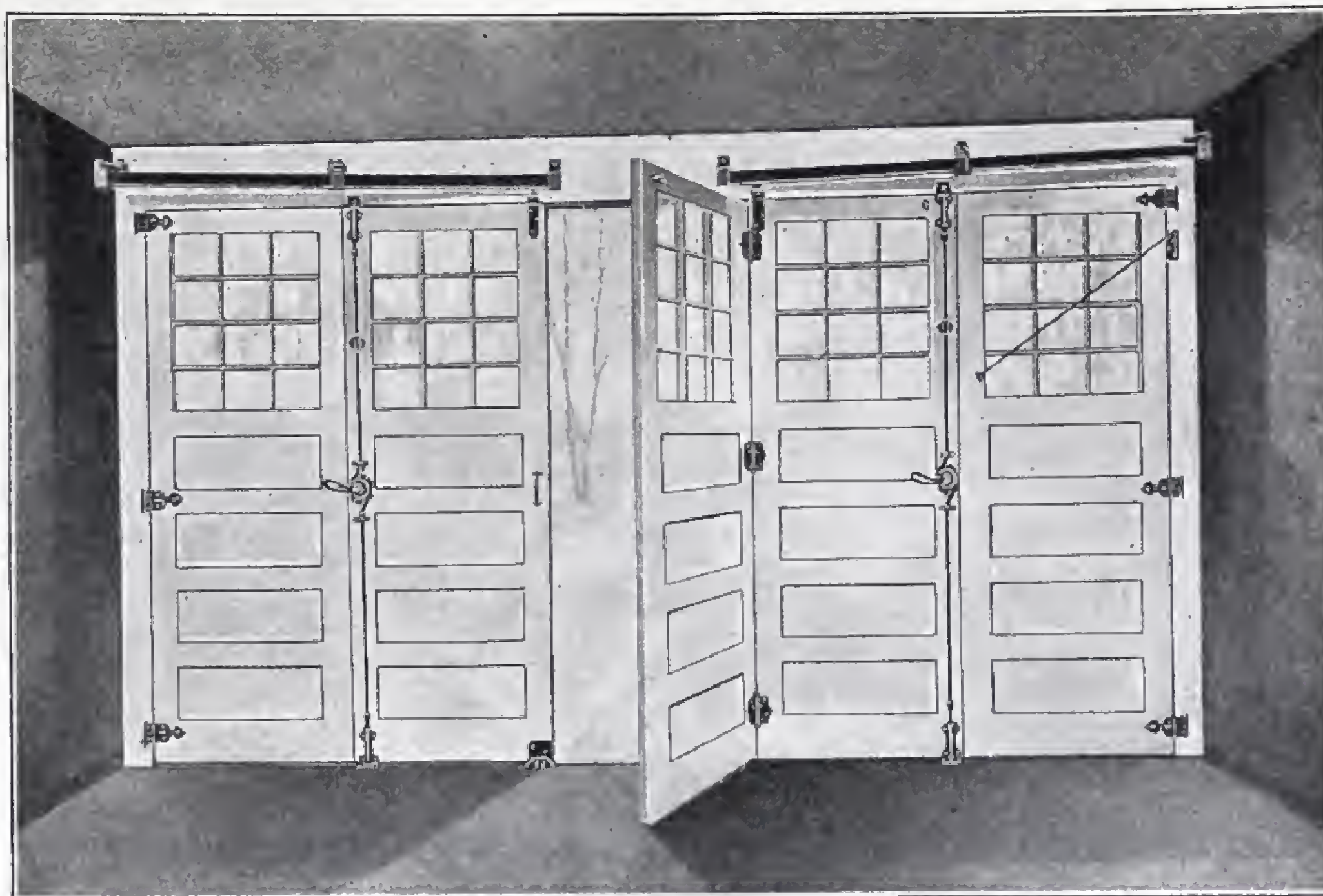


Fig. A-719—Interior View.—Entrance Door Open.

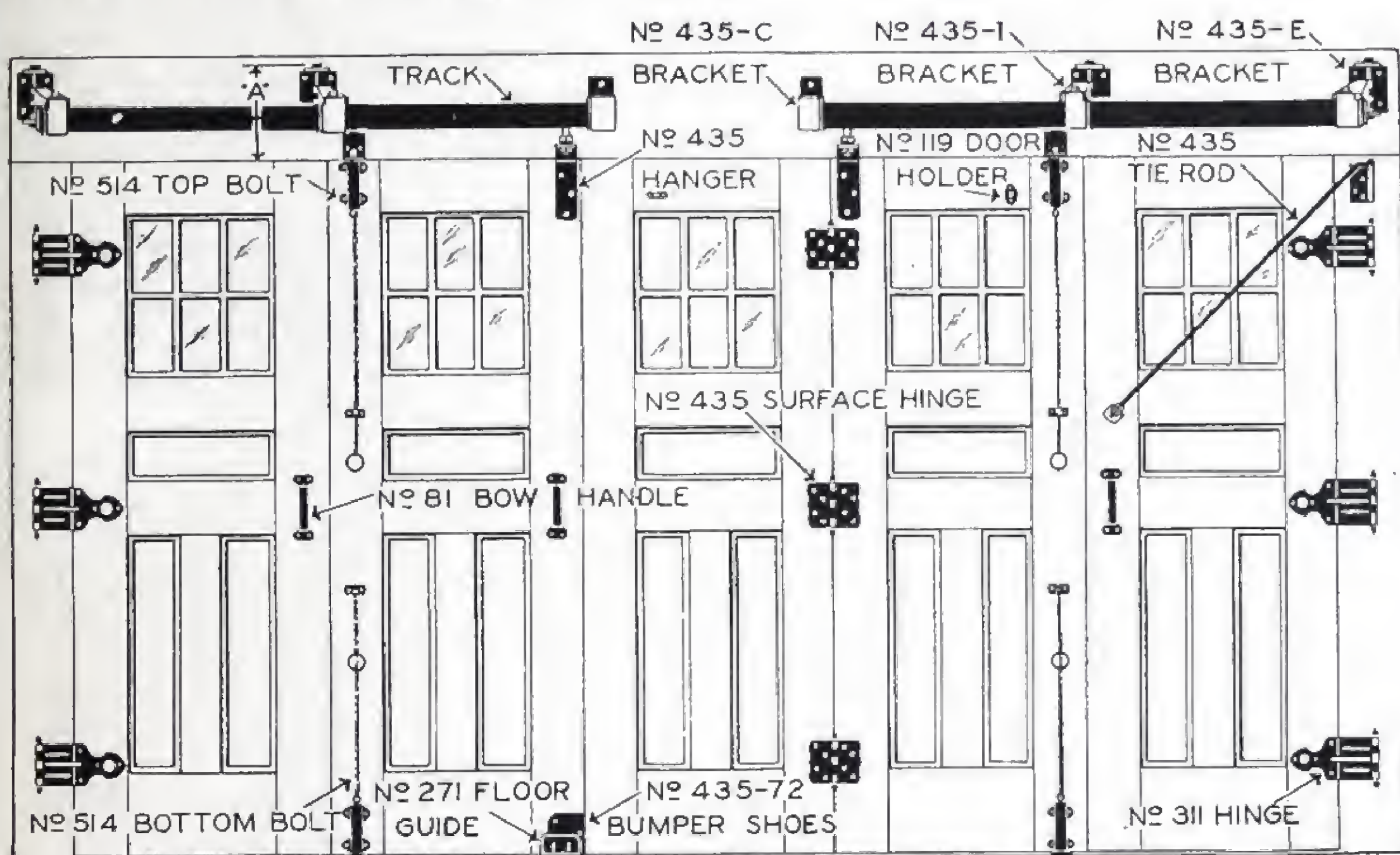


Fig. A-720—Interior Elevation showing proper location and names of 435 Parts for 5-Door Sets, including 514 Spring Top or Bottom Bolts. No. 414 Bolts are applied the same as are the 514 Bolts.

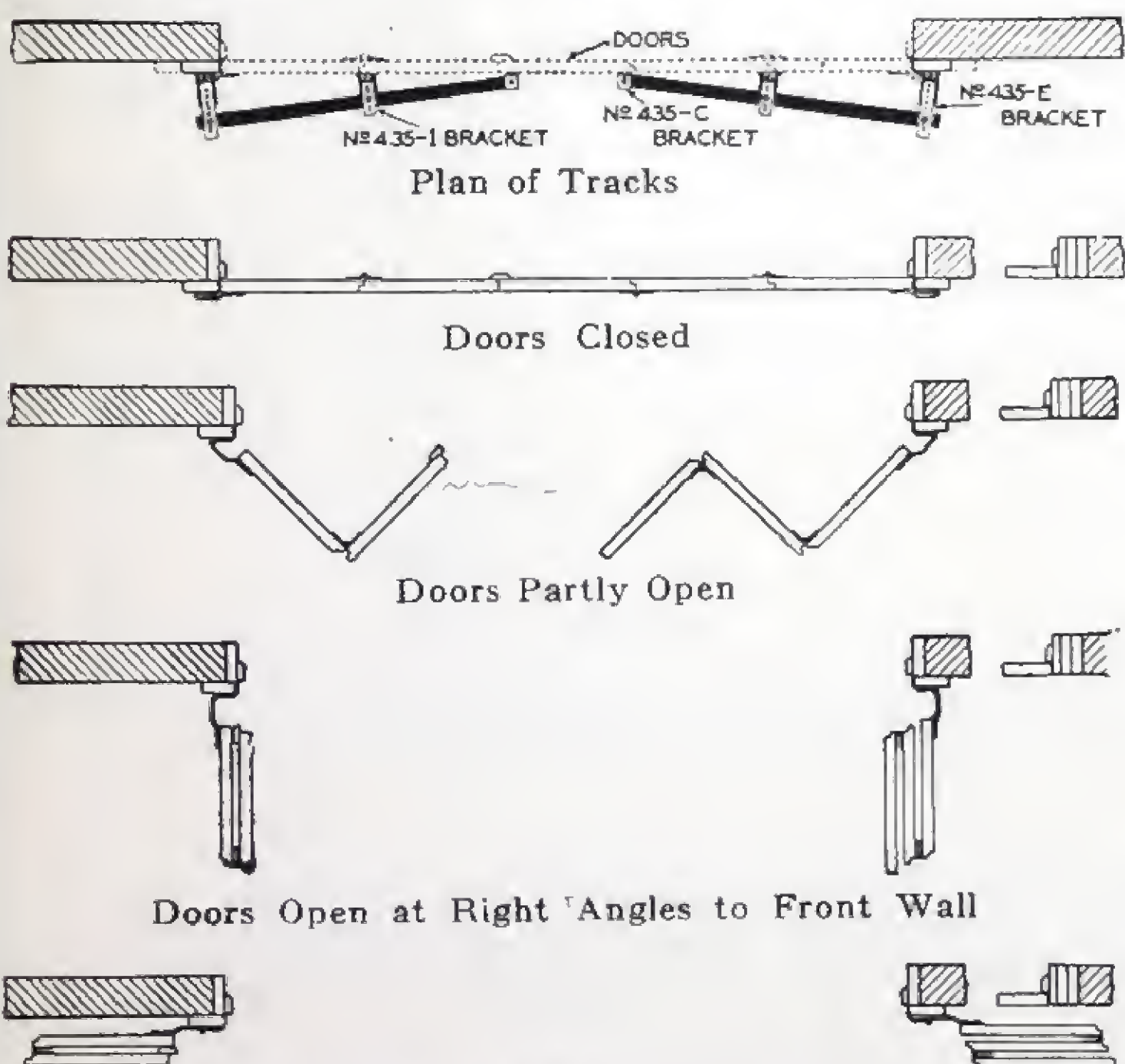


Fig. A-721—Main Floor Plans

Main Floor Plans (Fig. A-721) show correct design of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

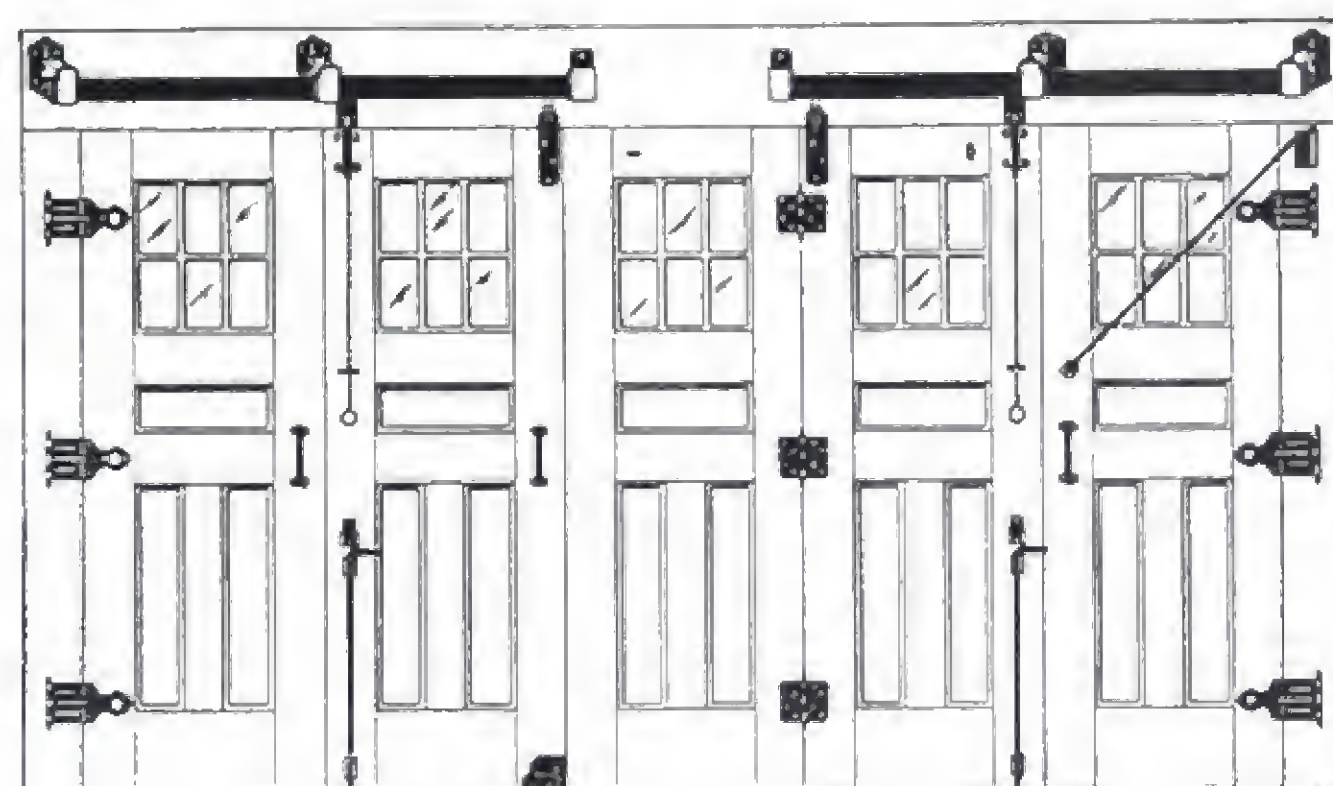


Fig. A-722—Interior Elevation showing 435 Hardware, including 514 Spring Top Bolts and 524 Cane Bottom Bolts.

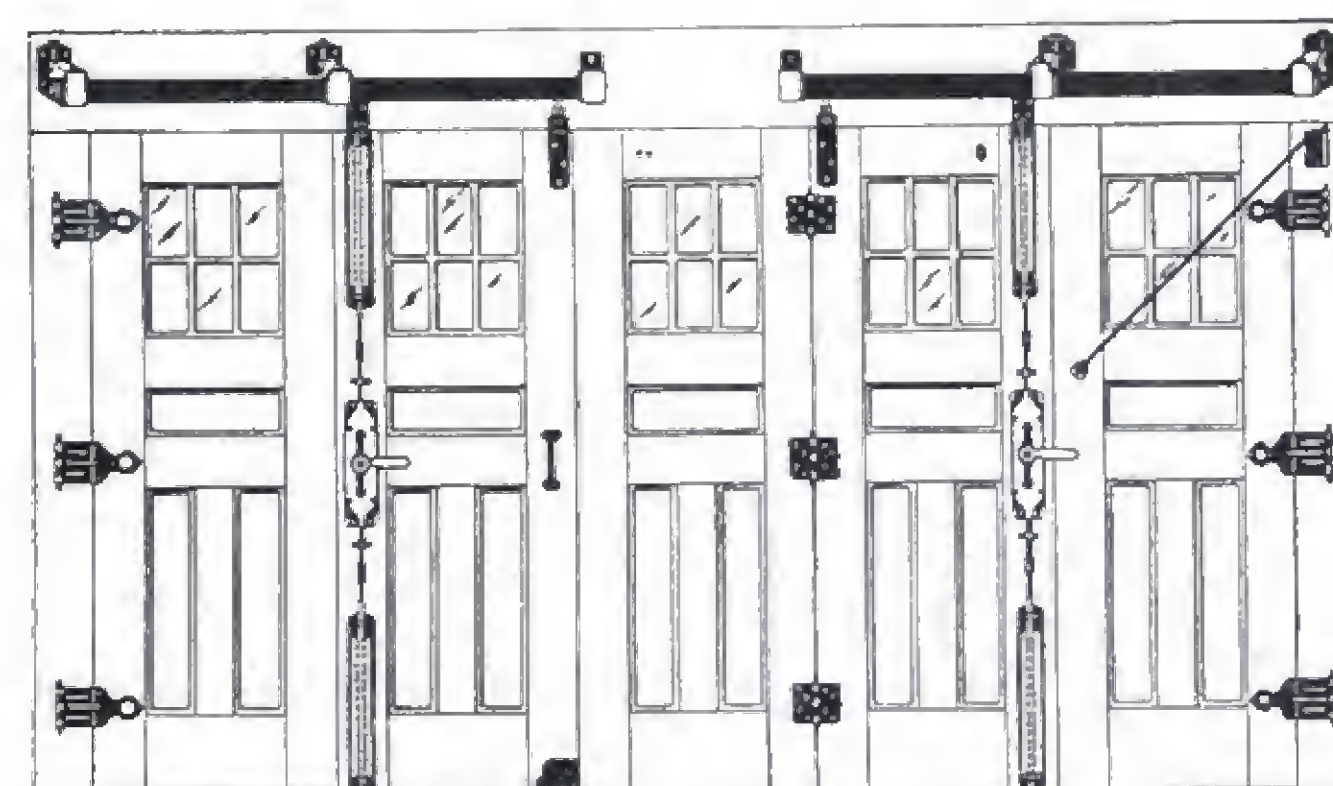


Fig. A-723—Interior Elevation showing 435 Hardware, including 617 Cremone Bolts.

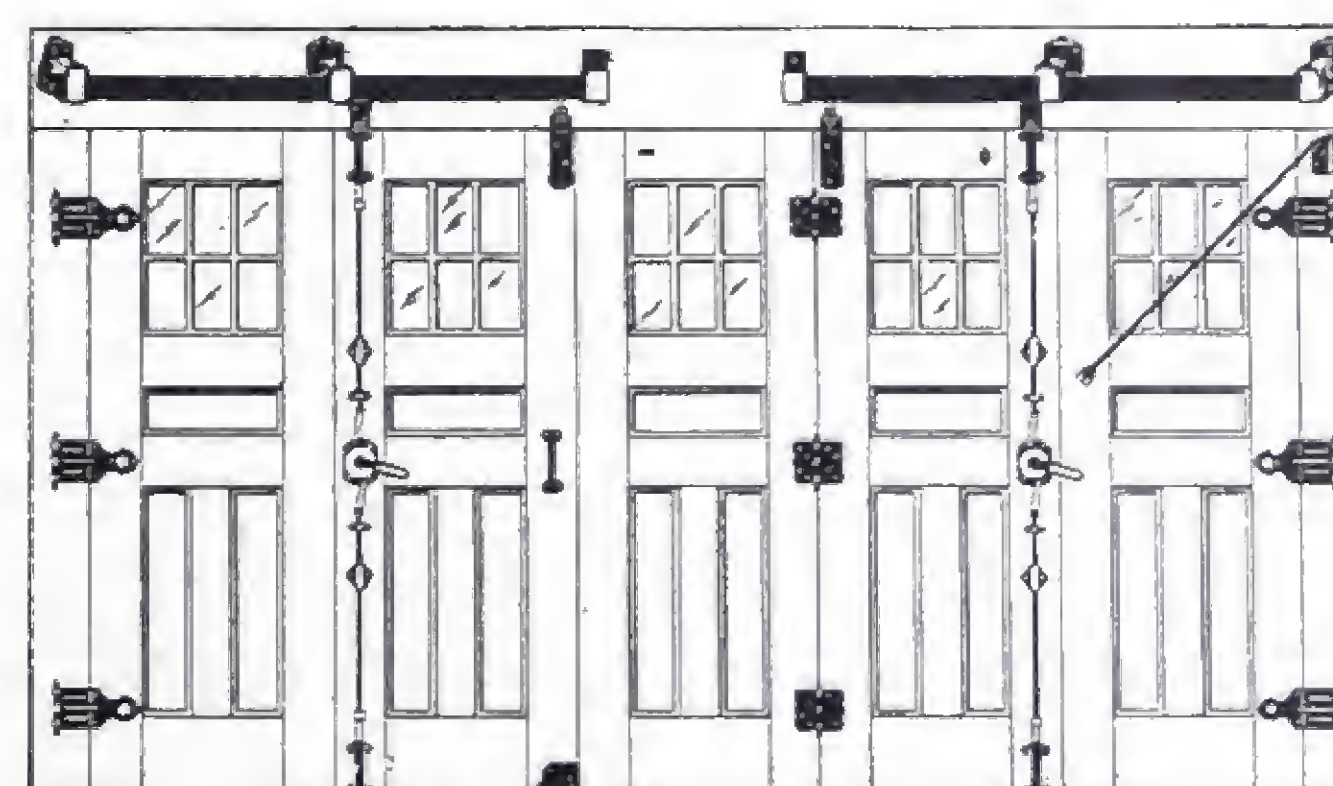


Fig. A-724—Interior Elevation showing 435 Hardware, including 517 Cremone Bolts.

Slidetite

Patented

R-W No. 435 Sets

6 Doors Opening In

For Openings up to 18 Feet Wide

Best results are obtained by using doors not more than 3 feet in width. Wider doors require additional track and brackets. Doors must be of equal width.

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
6 No. 514 Spring Top or Bottom Bolts (page 121).....	\$28.00	93	\$43.50	154	\$50.00	174
3 No. 514 Spring Top Bolts (page 121), and 3 No. 524-1 Cane Bottom Bolts (page 121).....	28.00	95	43.50	156	50.00	176
3 No. 414 Self-Aligning Top Bolts (page 119), and 3 No. 524-1 Cane Bot- tom Bolts (page 121).....	28.75	98	44.25	159	50.75	179
6 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	29.50	99	45.00	160	51.50	180
3 No. 417 Chain Top and Bottom Bolts (page 118).....	31.20	105	49.70	165	56.20	187
§3 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	37.80	166	56.30	174	62.80	198
§3 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	49.50	121	68.00	179	74.50	203

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.
Direction Sheet showing erecting details furnished with hardware.
§ If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware, width and height of opening. Thickness of doors. Kind of locking bolts wanted. Kind of Trolley Track wanted.
Example Order—1 set, 6-door "Slidetite" No. 435 for opening 18' wide, 8' high, doors 1 3/4" thick, including No. 514 Locking Bolts and No. 31 Trolley
Track.
Complete 6-door sets, packed in box, including Track, shown on page 140.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for 6-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
2 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
2 Brackets, End Track.....	435x31-E	"	1035x232-E	"	1035x33-E	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
6 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435	"	435	"
2 Door Holders.....	119	"	119	"	119	"
2 Tie Rods, for doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
or 2 Tie Rods, for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following sets)						
†6 Spring Top or Bottom Bolts.....	514-1	See page	514-2	See page	514-2	See page
or 6 Self-Aligning Top or Bottom Bolts.....	414-1	121	414-2	121	414-2	121
†3 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
and 3 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
†3 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
and 3 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
3 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
§3 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
§3 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120

Notes—† When using No. 35 Track specify No. 435-4 Hangers. * Two pieces of track, length of each equals width of two doors plus approximately one foot. ‡ In this case, three extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections listing at 80 cents each.

6-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set, \$18.00. Shipping weight, 55 pounds. For No. 33 track, per set, \$40.60. Shipping weight, 130 pounds.
For No. 232 track, per set, 34.50. Shipping weight, 115 pounds. Example Order—1 short set 6-door "Slidetite" No. 435 for No. 31 Track.

Heavy Offset Hinge Set

"Slidetite" Heavy Hardware with offset hinges, designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount

Slidetite

Patented

R-W No. 435 Hardware 6-Door Sets Doors Open In CONTINUED

Headroom Required See "A" of Fig. A-726

For No. 31 or 35 Track..... 8¼ inches
For No. 232 Track..... 11¼ inches
For No. 33 Track..... 11½ inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

All illustrations on this page show 31 Track with 311 Offset Hinges at the jambs toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

Main Floor Plans (Fig. A-727) show correct design of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

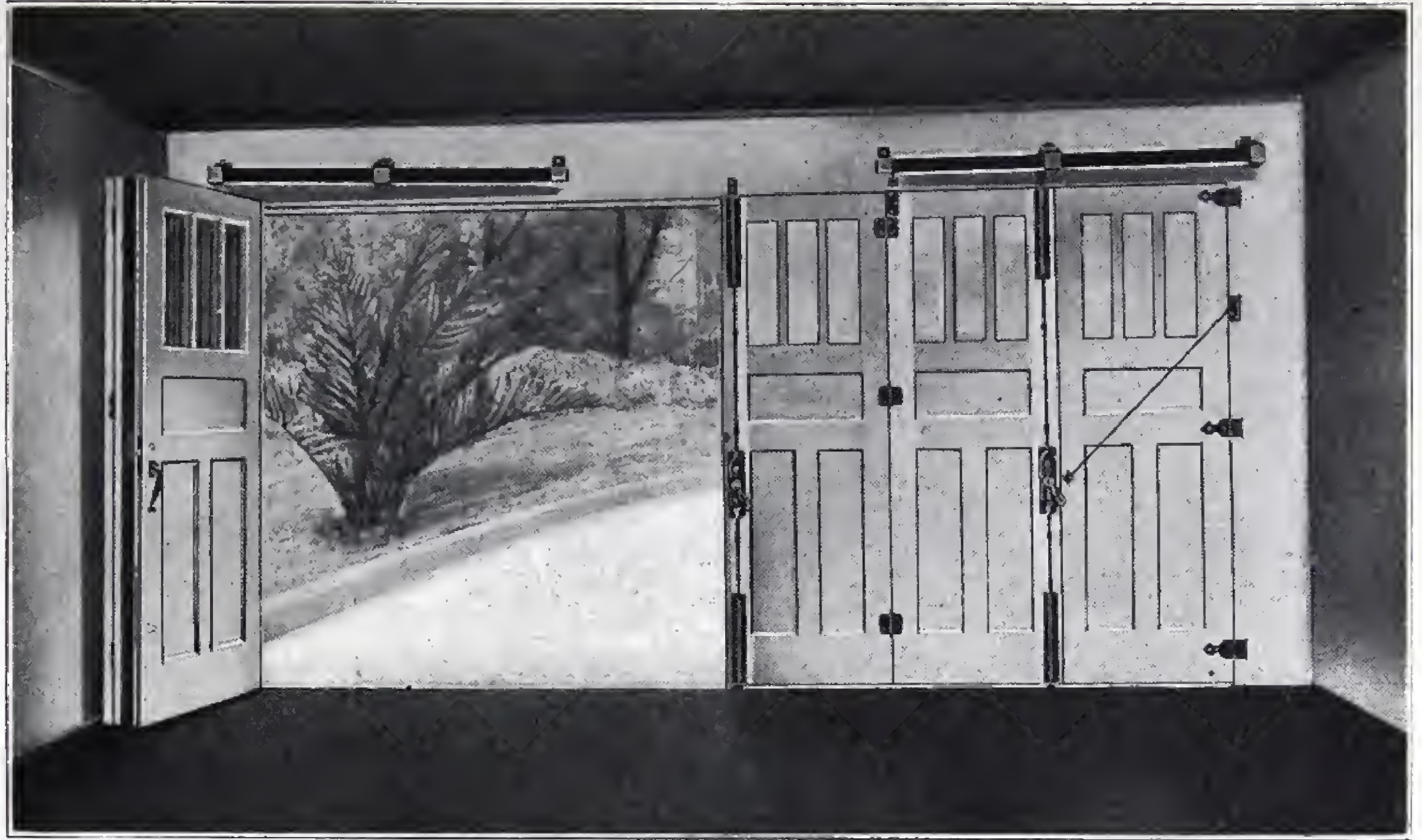


Fig. A-725—Interior View. Two Car Garage.

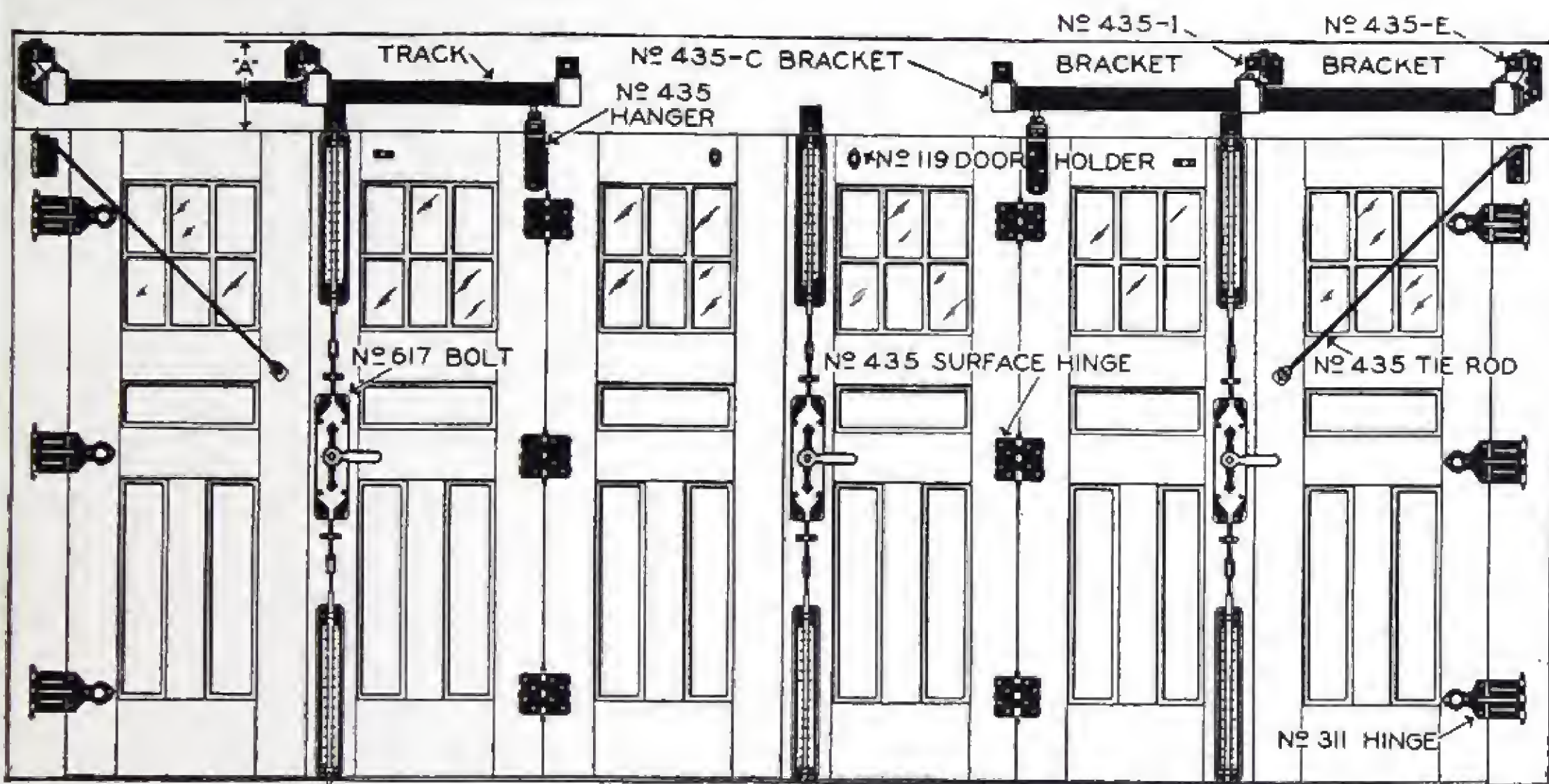


Fig. A-726—Interior Elevation showing proper location and names of 435 Parts of 6-Door Sets, including 617 Bolts.

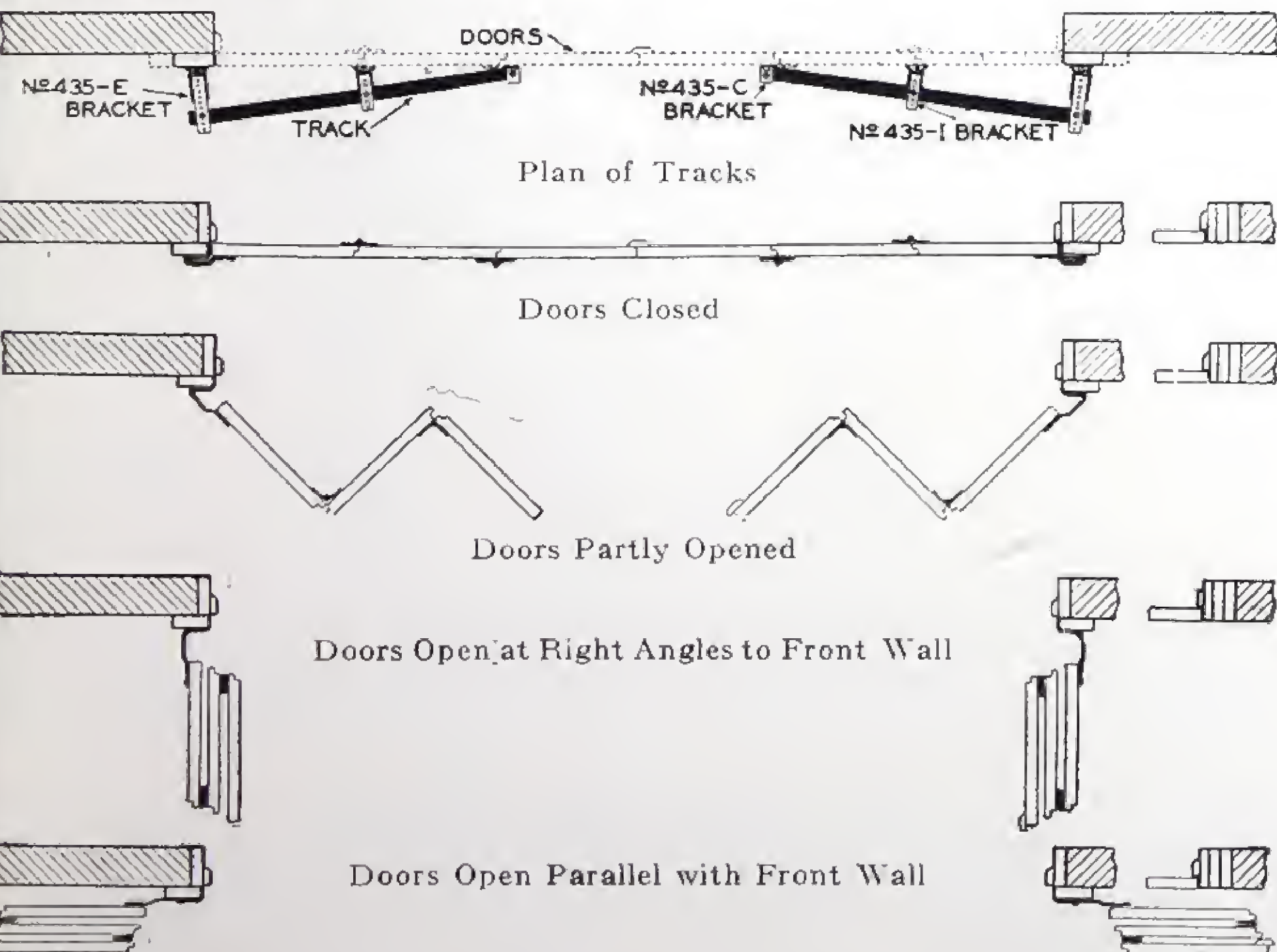


Fig. A-727—Main Floor Plans.

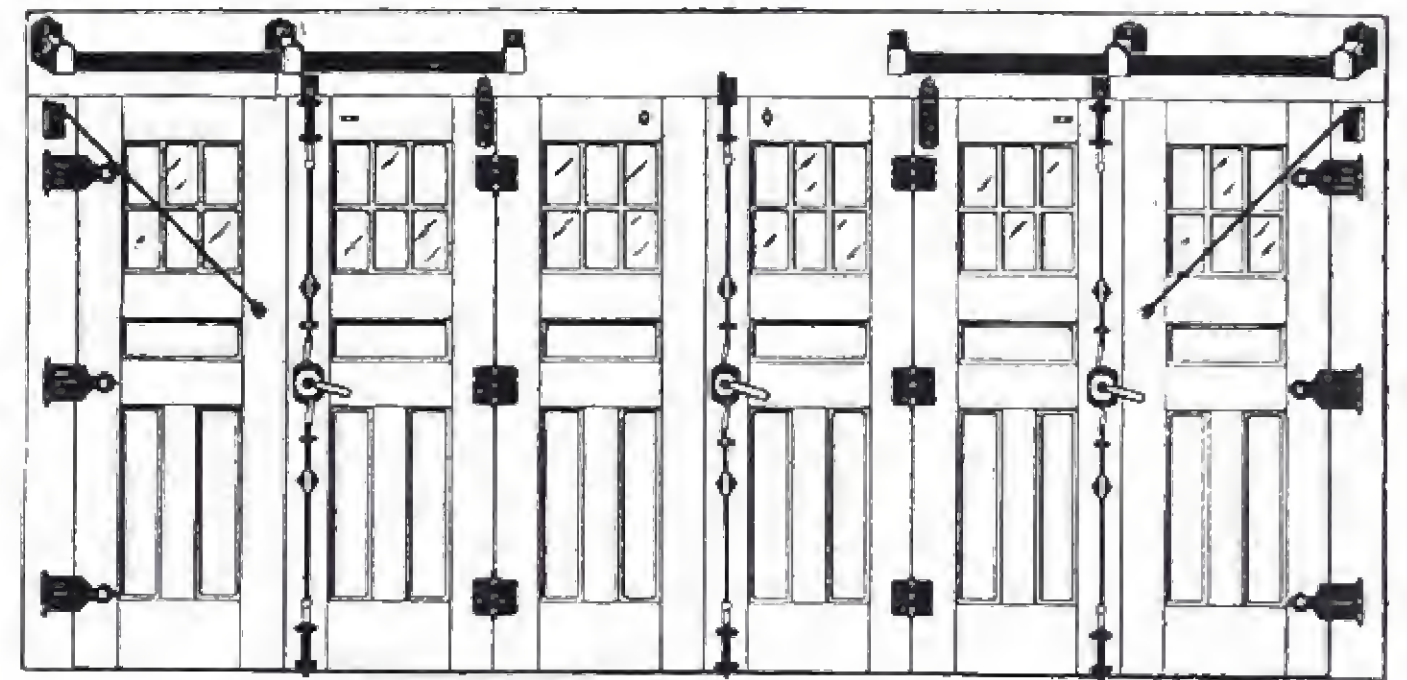


Fig. A-728—Interior Elevation showing 435 Hardware, including 517 Cremone Bolts.

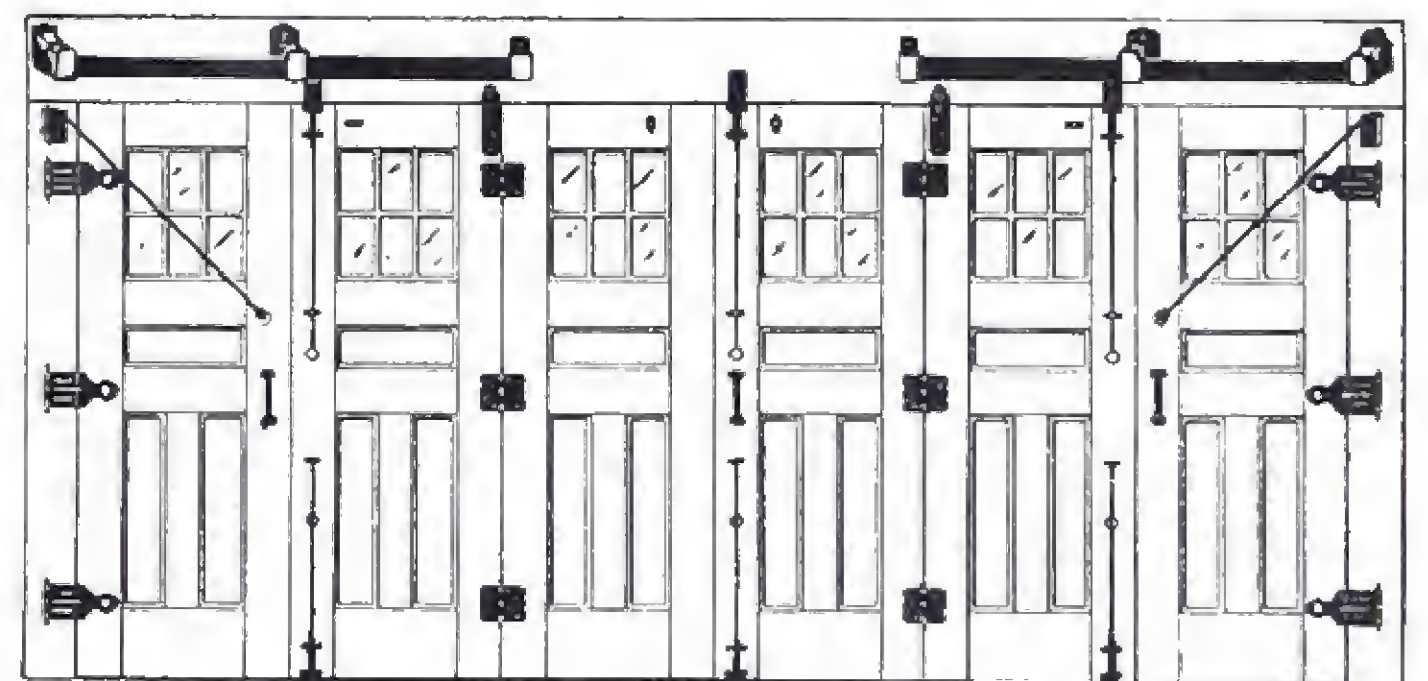


Fig. A-729—Interior Elevation showing 435 Hardware, including 514 Spring Top or Bottom Bolts. The No. 414 Bolts are applied the same as are the No. 514 Bolts.

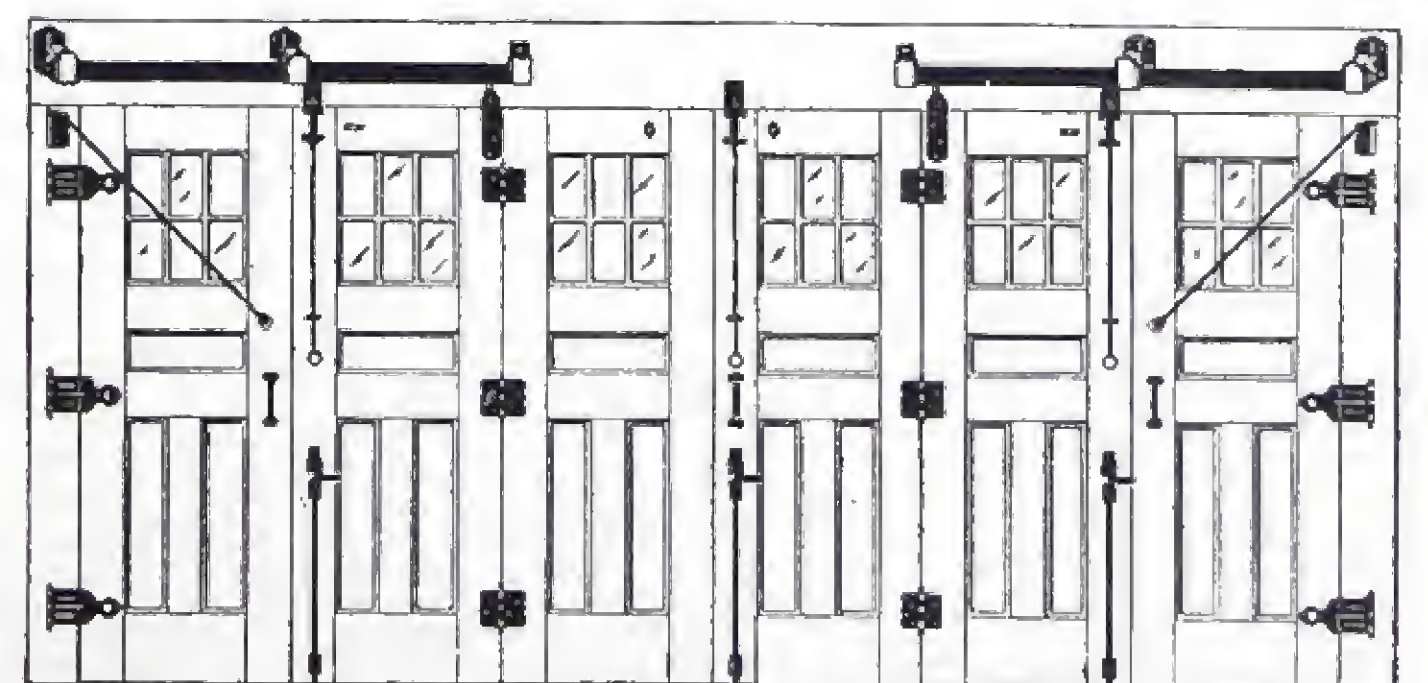


Fig. A-730—Interior Elevation showing 435 Hardware, including 514 Spring Top Bolts and 524 Cane Bottom Bolts.

Slidetite

Patented

R-W No. 435**7-Door Sets**

For Openings up to 21 Feet Wide—Doors Open In
Best results are obtained by using doors not more than 3 feet in width
Wider doors require additional track and brackets. Doors must be of equal width

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
6 No. 514 Spring Top or Bottom Bolts (page 121).....	\$51.00	167	\$72.00	254	\$84.00	280
3 No. 514 Spring Top Bolts (page 121) and 3 No. 524-1 Cane Bottom Bolts (page 121).....	51.00	170	72.00	257	84.00	283
3 No. 414 Self-Aligning Top Bolts (page 119), and 3 No. 524-1 Cane Bot- tom Bolts (page 121).....	51.75	173	72.75	260	84.75	286
6 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	52.50	173	73.50	260	85.50	286
3 No. 417 Chain Top and Bottom Bolts (page 118).....	57.20	180	78.20	267	90.20	293
†3 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	63.80	191	84.80	278	96.80	304
†3 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	75.50	196	96.50	284	108.50	310

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.
Direction Sheet showing erecting details furnished with hardware.
† If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware, width and height of opening, thickness of doors. Kind of Locking Bolts wanted. Kind of Trolley Track wanted.
Example Order—1 set, 7-door "Slidetite" No. 435 for opening 21 feet wide 8 feet high, doors 1 3/4 inches thick, including No. 514 Locking Bolts and No. 31 Trolley Track.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for 7-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
3 Hangers, Roller Bearing.....	†435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
3 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
1 Bracket, End Track.....	435x31-E	"	1035x232-E	"	1035x33-E	"
1 Bracket, Joint.....	435x31-J	"	435x232-J	"	435x33-J	"
1 Bracket, Double End.....	435x31-DE	"	435x232-DE	"	435x33-DE	"
1 Bracket, Double Intermediate.....	435x31-DI	"	435x232-DI	"	435x33-DI	"
3 Ceiling Clips.....	435x31-CC	"	435x232-CC	"	435x33-CC	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"		"		"
7 1/2 Hinges, Surface.....	435x22 1/2"x4"	"	435-5"x5"	"	435-5"x5"	"
	435	"	435	"	435	"
1 Bow Handle.....	81-1	"	81-2	"	81-2	"
1 Door Holder.....	119	"	119	"	119	"
1 Center Floor Guide.....	271	"	271	"	271	"
2 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
2 Tie Rods, for doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
or 2 Tie Rods, for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following sets)						
†6 Spring Top or Bottom Bolts.....	514-1	See page	514-2	See page	514-2	See page
† or 6 Self-Aligning Top or Bottom Bolts.....	414-1	121	414-2	121	414-2	121
†3 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
† and 3 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
†3 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
† and 3 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
3 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
†3 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
†3 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120

Note—† When using No. 35 Track specify No. 435-4 Hangers. * Four pieces of Track. Length of two pieces each equals width of two doors plus approx-
imately one foot. Length of one piece equals width of two doors plus approximately 1 1/2 feet. Length of one piece equals width of two doors minus approx-
imately 1/2 foot. † In this case three extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections listing at 80 cents each.

7-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set \$37.00. Shipping weight 106 pounds. For No. 33 track, per set \$56.00. Shipping weight 183 pounds.
For No. 232 track, per set 50.00. Shipping weight 165 pounds. Example Order—1 Short Set 7-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Set

"Slidetite" Heavy Hardware with offset hinges designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount

Slidetite

Patented

R-W No. 435 Garage Door Hardware

7-Door Sets

CONTINUED

Doors Open In

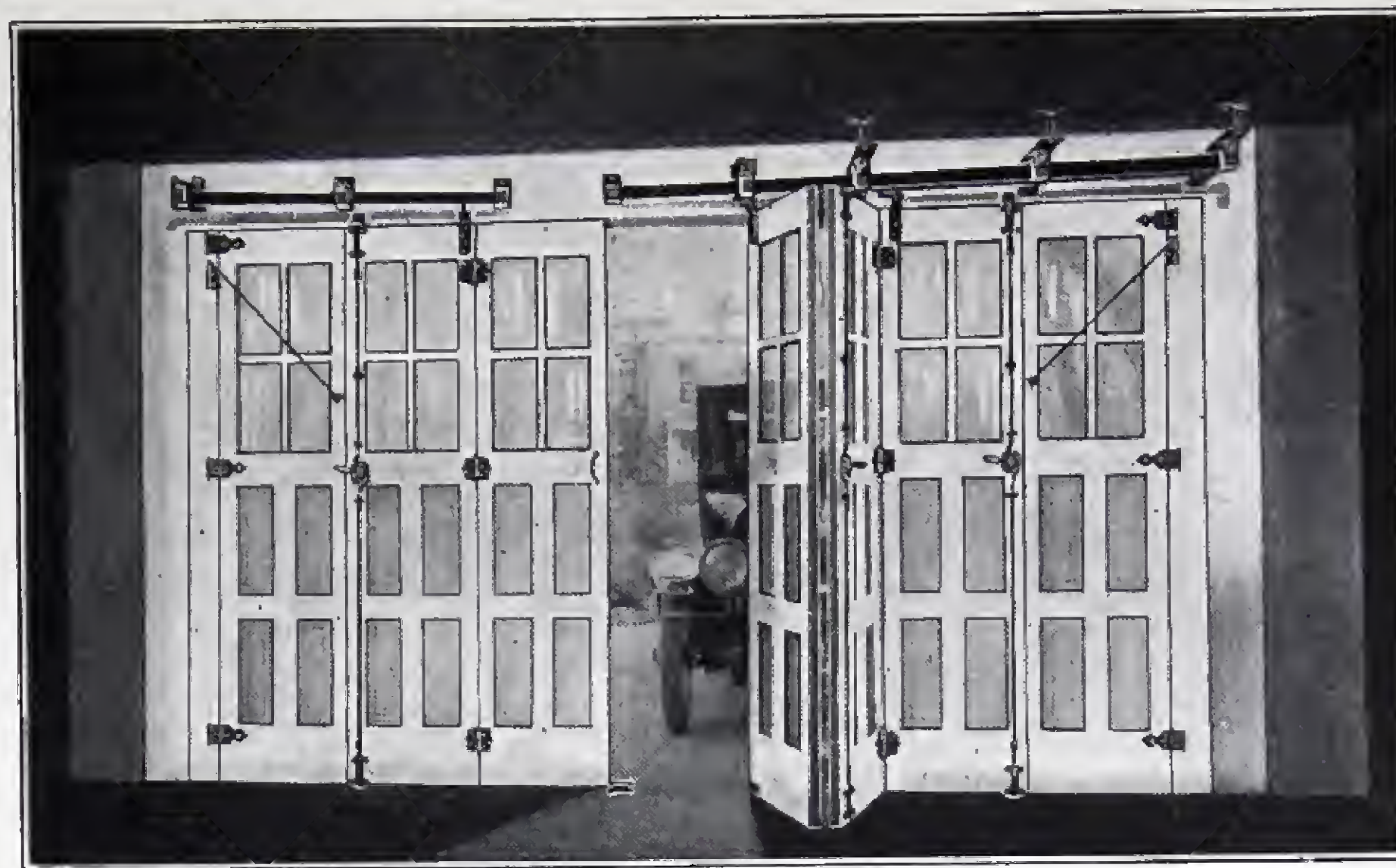


Fig. A-732—Interior View. Two Car Garage.

Headroom Required

See "A" of Fig. A-733

For No. 31 or 35 Track . 9 inches
For No. 232 Track.....11 inches
For No. 33 Track.....11½ inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

All illustrations on this page show 31 Track with 311 Offset Hinges at the jambs toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

Main Floor Plans (Fig. A-731) show correct design of frame and jambs for brick or concrete construction. Frames and jambs should be made the same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

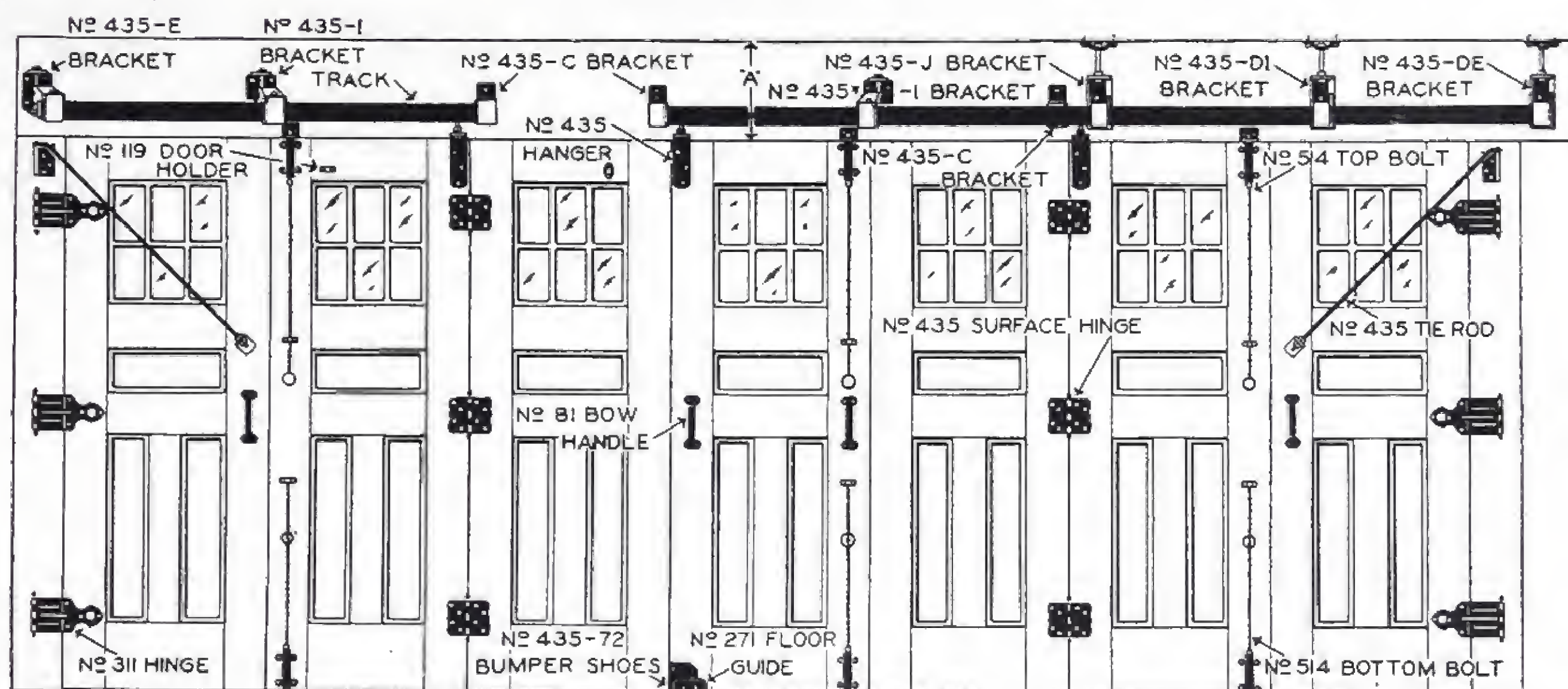


Fig. A-733—Interior Elevation showing proper location and names of 435 parts for 7-Door Sets, including 514 Top or Bottom Bolts. 414 Bolts are applied the same as are the 514 Bolts.

Fig. A-734
Interior Elevation showing 435 Hardware, including 514 Spring Top Bolts, and 524 Cane Bottom Bolts.

Fig. A-735
Interior Elevation showing 435 Hardware, including 517 Cremone Bolts.

Fig. A-736
Interior Elevation showing 435 Hardware, including 617 Cremone Bolts.

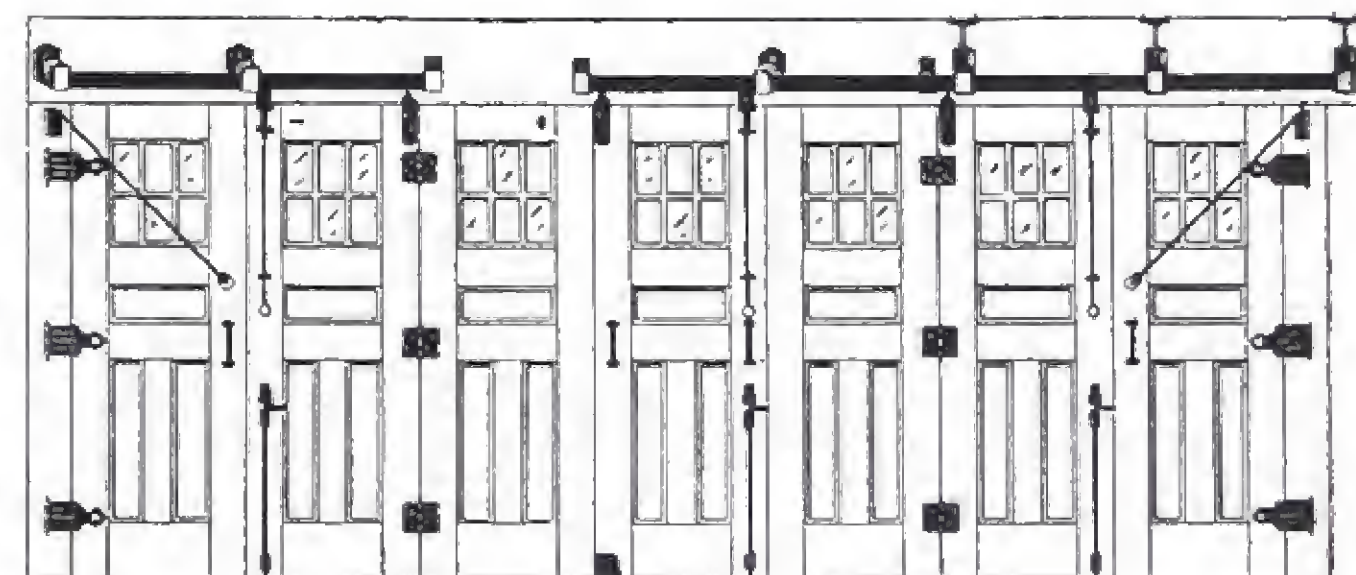


Fig. A-734

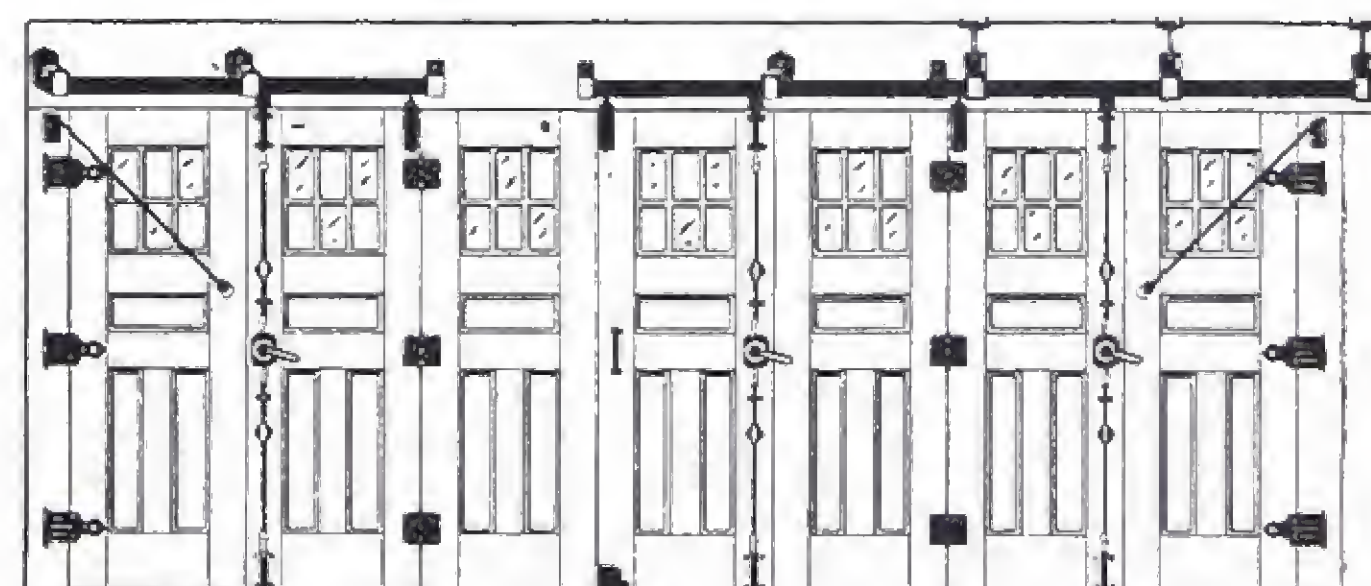


Fig. A-735

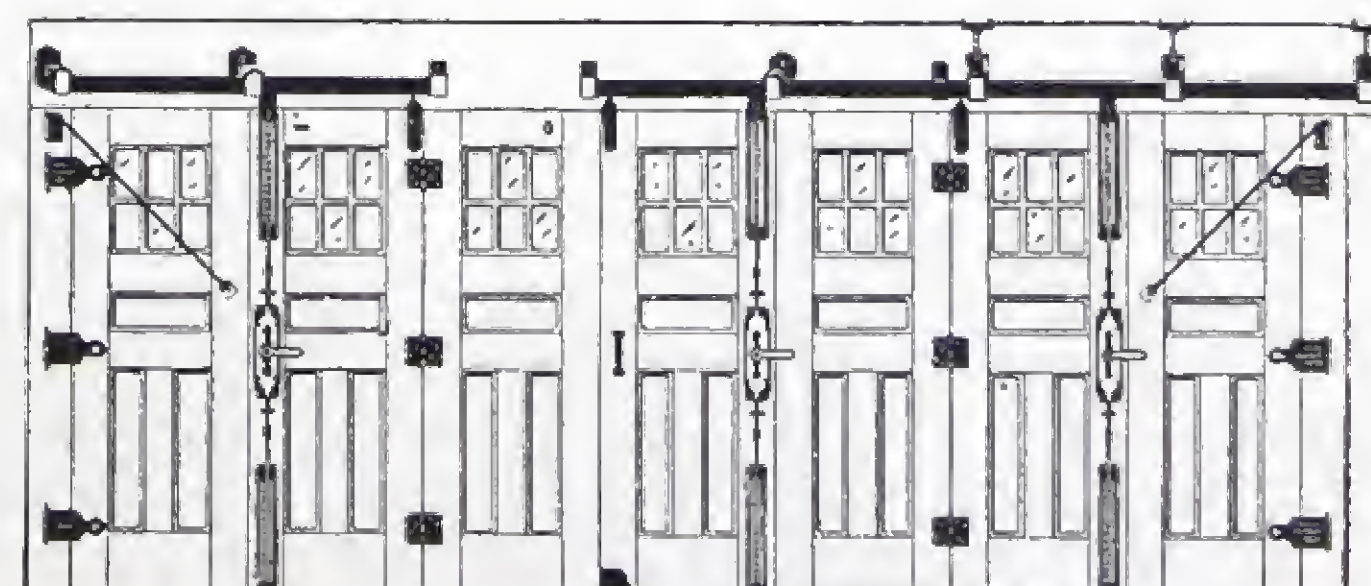


Fig. A-736

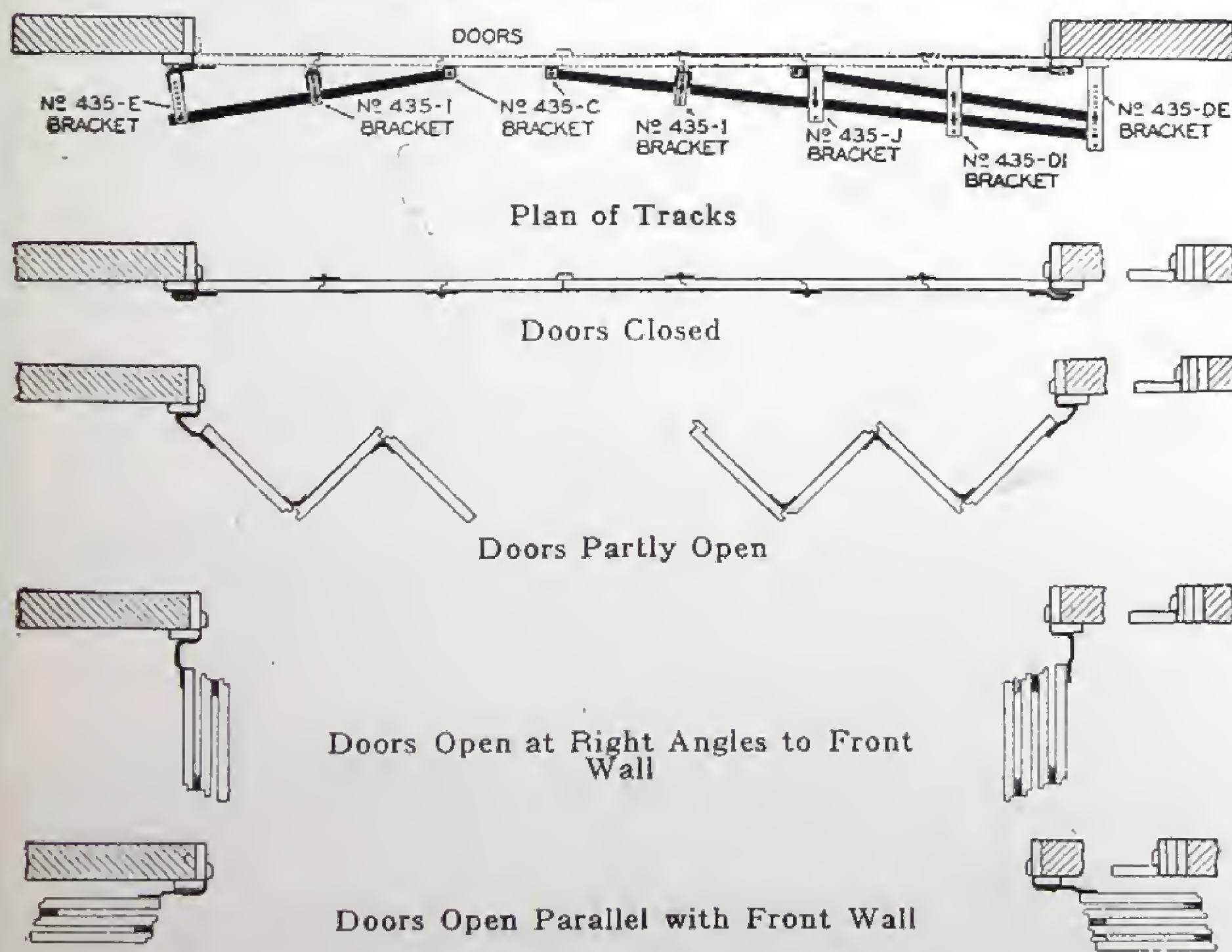


Fig A-731—Main Floor Plans

Slidetite

Patented

R-W No. 435**Three-Track 8-Door Sets****For Openings up to 24 Feet Wide—Doors Open In****Best results are obtained by using doors not more than 3 feet in width****Wider doors require additional track and brackets. Doors must be of equal width****List Prices for Complete Sets**

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
8 No. 514 Spring Top and Bottom Bolts (page 121).....	\$52.30	173	\$73.30	269	\$85.30	304
4 No. 514 Spring Top Bolts (page 121), and 4 No. 524-1 Cane Bottom Bolts (page 121).....	52.30	177	73.30	273	85.30	308
4 No. 414 Self-Aligning Top Bolts (page 119), and 4 No. 524-1 Cane Bottom Bolts (page 121).....	53.30	181	74.30	277	86.30	312
8 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	54.30	181	75.30	278	87.30	312
4 No. 417 Chain Top and Bottom Bolts (page 118).....	60.60	190	81.60	286	93.60	320
4 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	69.40	206	90.40	302	102.40	338
4 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	85.00	212	106.00	308	118.00	344

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

§ If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware, width and height of opening, thickness of doors. Kind of locking Bolts wanted. Kind of Trolley Track wanted.

Example Order—One set 3-track 8-door "Slidetite" No. 435 for opening 24 feet wide, 8 feet high, doors 1 3/4 inches thick, including No. 514 Locking Bolts and No. 31 Trolley Track.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Three-Track 8-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
3 Hangers Roller Bearing.....	435-1	Page 5	435-3	Page 5	435-2	Page 5
* Trolley Track.....	31 or 35	"	232	"	33	"
3 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
1 Bracket, End Track.....	435x31-E	"	1035x232-E	"	1035x33-E	"
1 Bracket, Joint.....	435x31-J	"	435x232-J	"	435x33-J	"
1 Bracket, Double End.....	435x31-DE	"	435x232-DE	"	435x33-DE	"
1 Bracket, Double Intermediate.....	435x31-DI	"	435x232-DI	"	435x33-DI	"
3 Ceiling Clips.....	435x31-CC	"	435x232-CC	"	435x33-CC	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
9 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435	"	435	"
2 Door Holders.....	119	"	119	"	119	"
2 Tie Rods, for doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
or 2 Tie Rods, for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following Sets)		See page		See page		See page
† 8 Spring Top or Bottom Bolts.....	514-1	121	514-2	121	514-2	121
† or 8 Self-Aligning Top or Bottom Bolts.....	414-1	119	414-2	119	414-2	119
† 4 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
† and 4 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
† 4 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
† and 4 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
4 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
4 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
4 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120

Note—† When using No. 35 Track specify No. 435-4 Hangers. * Four pieces of track. Length of two pieces each equals width of two doors plus approximately 1 1/2 feet. Length of one piece equals width of two doors plus approximately 1 1/2 feet. † In this case four extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections listing at 80 cents each.

Three-Track 8-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set \$37.00. Shipping weight 108 pounds. For No. 33 track, per set \$56.00. Shipping weight 203 pounds.
For No. 232 track, per set 50.00. Shipping weight 176 pounds. **Example Order**—1 Short Set 3-track 8-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Sets

"Slidetite" Heavy Hardware with offset hinges designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount.....

Slidetite

Patented

R-W No. 435 Garage Door Hardware

Three-Track 8-Door Sets

CONTINUED

Doors Open In

Headroom Required See "A" Fig. A-738

For No. 31 or 35 Track.....	9	inches
For No. 232 Track.....	11	inches
For No. 33 Track.....	11½	inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

All illustrations on this page show 31 Track with 311 Offset Hinges at the jambs toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

Main Floor Plans (Fig. A-739) show correct designs of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

Fig. A-740
Interior Elevation showing 435 Hardware, including 517 Cremone Bolts.

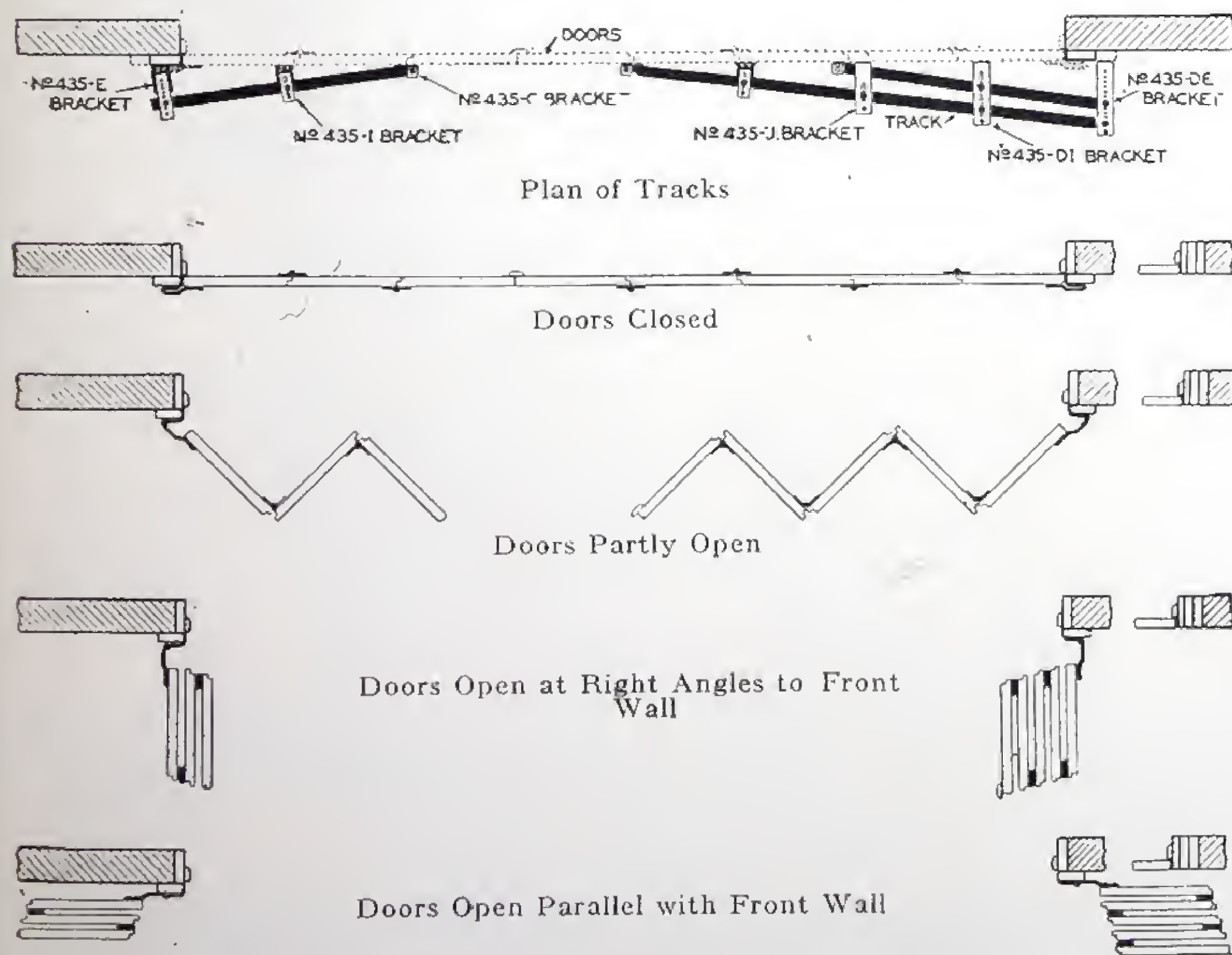


Fig. A-739—Main Floor Plans

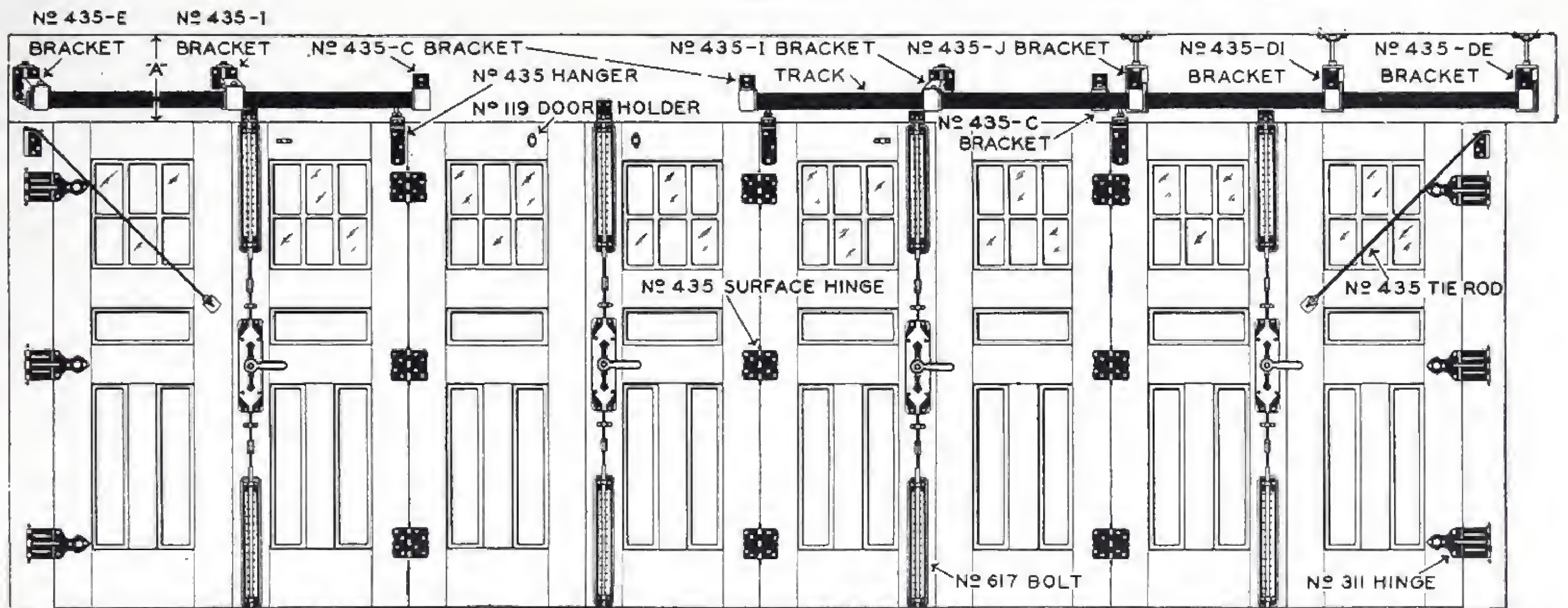


Fig. A-738—Interior Elevation showing proper location and names of 435 Parts for Three-Track 8-Door Sets, including 617 Cremone Bolts.

Fig. A-741
Interior Elevation showing 435 Hardware, including 514 Spring Top or Bottom Bolts. 414 Bolts are applied the same as the 514 Bolts.

Fig. A-742
Interior elevation showing 435 Hardware, including 514 Spring Top Bolts and 524 Cane Bottom Bolts.

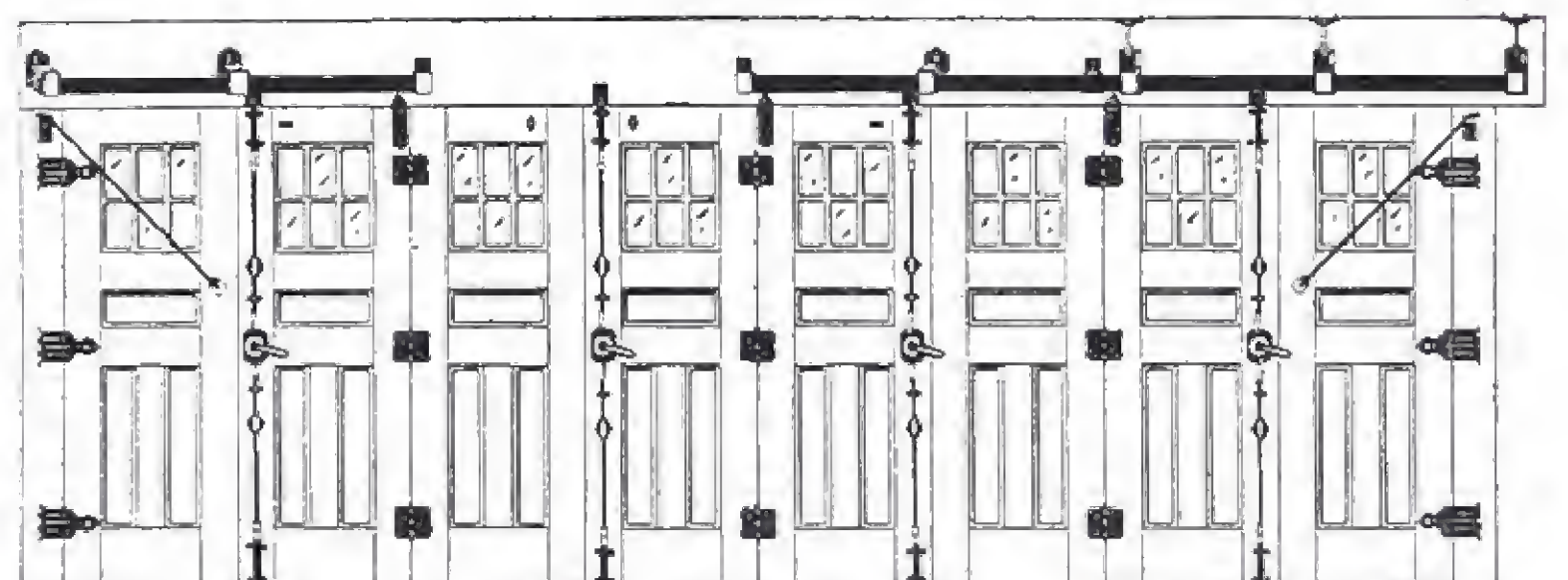


Fig. A-740

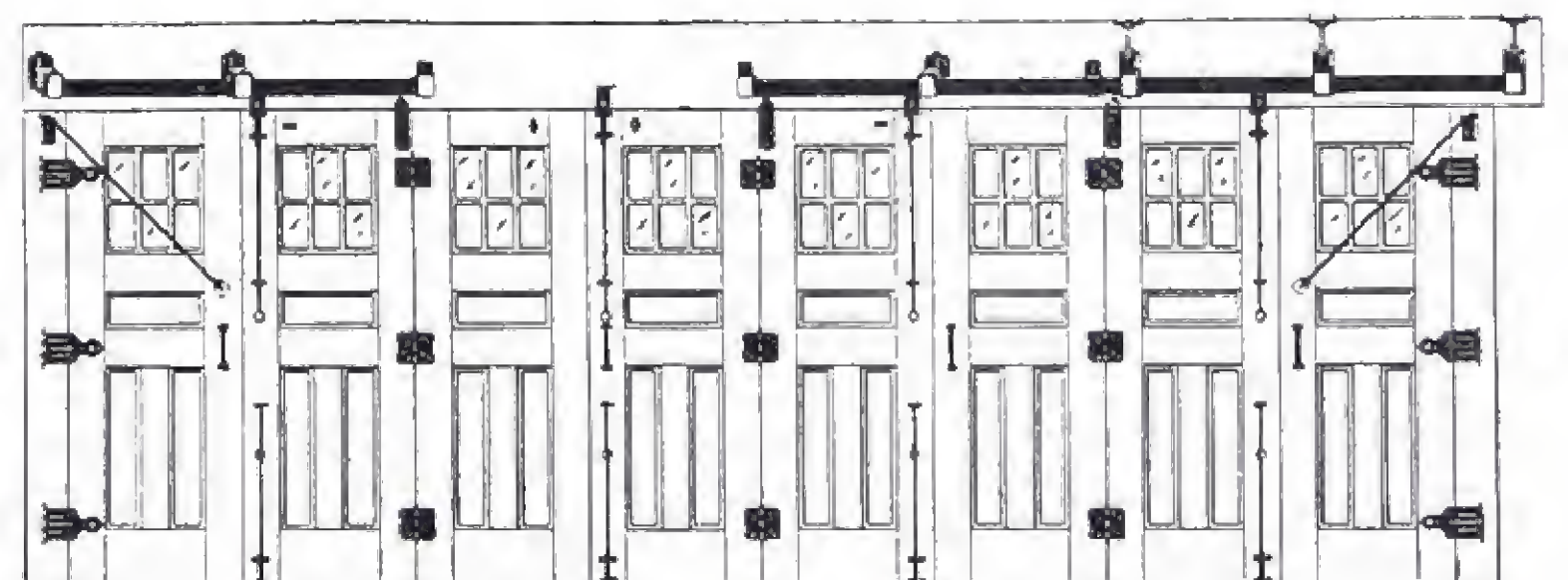


Fig. A-741

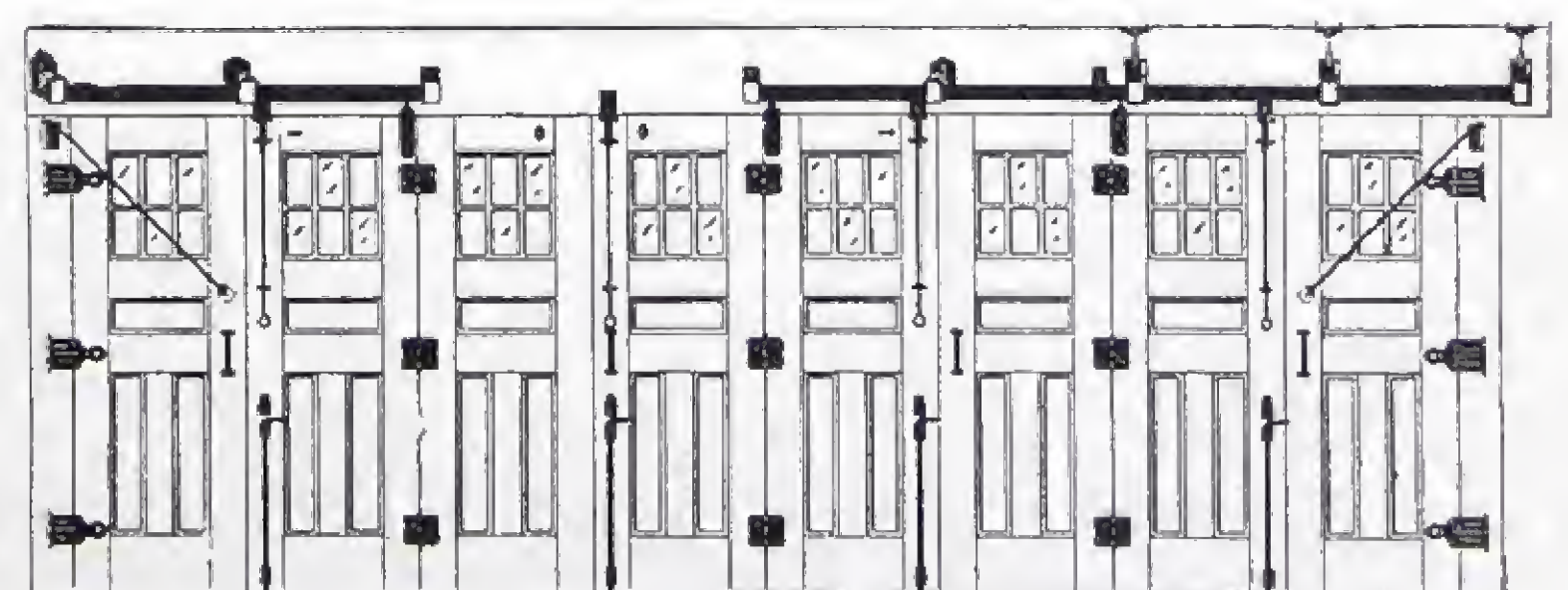


Fig. A-742

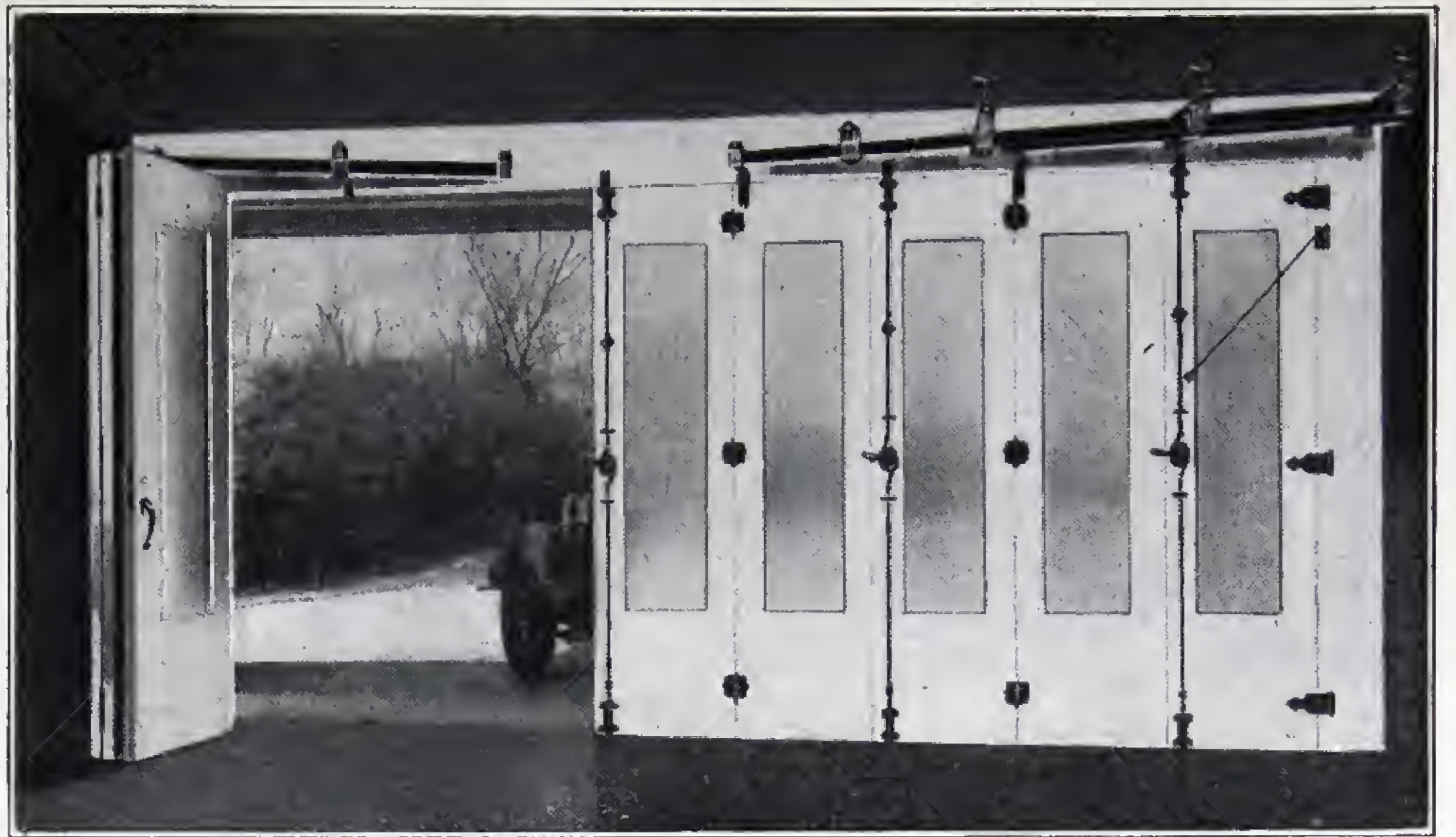


Fig. A-737—Interior View. Three Car Garage.

Slidetite

Patented

R-W No. 435**Four-Track 8-Door Sets****For Openings Up to 24 Feet Wide—Doors Open In**Best results are obtained by using doors not more than 3 feet in width
Wider doors require additional track and brackets. Doors must be of equal width**List Prices for Complete Sets**

Set including:	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)						
Set including:						
8 No. 514 Spring Top or Bottom Bolts (page 121).....	\$75.00	230	\$102.00	346	\$119.00	379
4 No. 514 Spring Top Bolts (page 121), and 4 No. 524-1 Cane Bottom Bolts (page 121).....	75.00	234	102.00	350	119.00	383
4 No. 414 Self-Aligning Top Bolts (page 119), and 4 No. 524-1 Cane Bot- tom Bolts (page 121).....	76.00	238	103.00	354	120.00	387
8 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	77.00	238	104.00	354	121.00	387
4 No. 417 Chain Top and Bottom Bolts (page 118).....	81.60	247	108.60	363	125.60	396
§4 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	90.40	262	117.40	378	134.40	411
§4 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	110.00	270	137.00	386	154.00	419
§ No. 617 Cremone Bolts, for doors up to 10' high (page 120), and 1 No. 1125 Lock (page 120).....	113.00	272	140.00	388	157.00	421

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, extension shields should be ordered extra
Direction Sheet showing erecting details furnished with hardware.
§ If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware. Width and height of opening. Thickness of doors. Kind of locking bolts wanted. Kind of Trolley Track wanted.
Example Order—One set 4-track 8-door "Slidetite" No. 435 for opening 24 feet wide, 8 feet high, doors 1 3/4 inches thick, including No. 514 Locking Bolts
and No. 31 Trolley Track.

Detail of Hardware and List of Parts
 Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Four-Track 8-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
4 Hangers, Roller Bearing.....	†435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
4 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
2 Brackets, Joint.....	435x31-J	"	435x232-J	"	435x33-J	"
2 Brackets, Double End.....	435x31-DE	"	435x232-DE	"	435x33-DE	"
2 Brackets, Double Intermediate.....	435x31-DI	"	435x232-DI	"	435x33-DI	"
6 Ceiling Clips.....	435x31-CC	"	435x232-CC	"	435x33-CC	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
9 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435	"	435	"
2 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Center Floor Guide.....	271	"	271	"	271	"
4 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
2 Tie Rods for doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
or 2 Tie Rods for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following sets)						
†8 Spring Top or Bottom Bolts.....	514-1	See page 121	514-2	See page 121	514-2	See page 121
† or 8 Self-Aligning Top or Bottom Bolts.....	414-1	119	414-2	119	414-2	119
†4 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
† and 4 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
†4 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
and 4 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
4 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
§4 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
§4 Cremone Bolts for doors up to 10' high.....	617	120	617	120	617	120
§4 Cremone Bolts for doors up to 10' high.....	617	120	617	120	617	120
and one lock.....	1125	120	1125	120	1125	120

Notes—†When using No. 35 Track specify No. 435-4 Hangers. * Six pieces of track. Length of two pieces each equals width of two doors plus approxi-
mately one foot. Length of two pieces each equals width of two doors plus approximately 1 1/2 feet. Length of two pieces each equals width of two doors minus
approximately 1/2 foot. † In this case four extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections listing at 80 cents each.

Four-Track 8-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set \$54.00. Shipping weight 140 pounds. For No. 33 track, per set \$77.00. Shipping weight 237 pounds.
For No. 232 track, per set 70.00. Shipping weight 213 pounds. **Example Order**—1 Short Set 4-track, 8-door "Slidetite" No. 435 for No. 31
track.

Heavy Offset Hinge Set

"Slidetite" No. 1035 Heavy hardware with offset hinges designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39

Discount

Slidetite

Patented

R-W No. 435 Garage Door Hardware Four-Track 8-Door Sets

CONTINUED
Doors Open In

Headroom Required See "A" Fig. A-744

For No. 31 or 35 Track..... 9 inches
For No. 232 Track..... 11 inches
For No. 33 Track..... 11½ inches

Location of Bolt Holes and Bracket Spacings are given on page 112.



Fig. A-743—Interior View. Doors Wide Open.

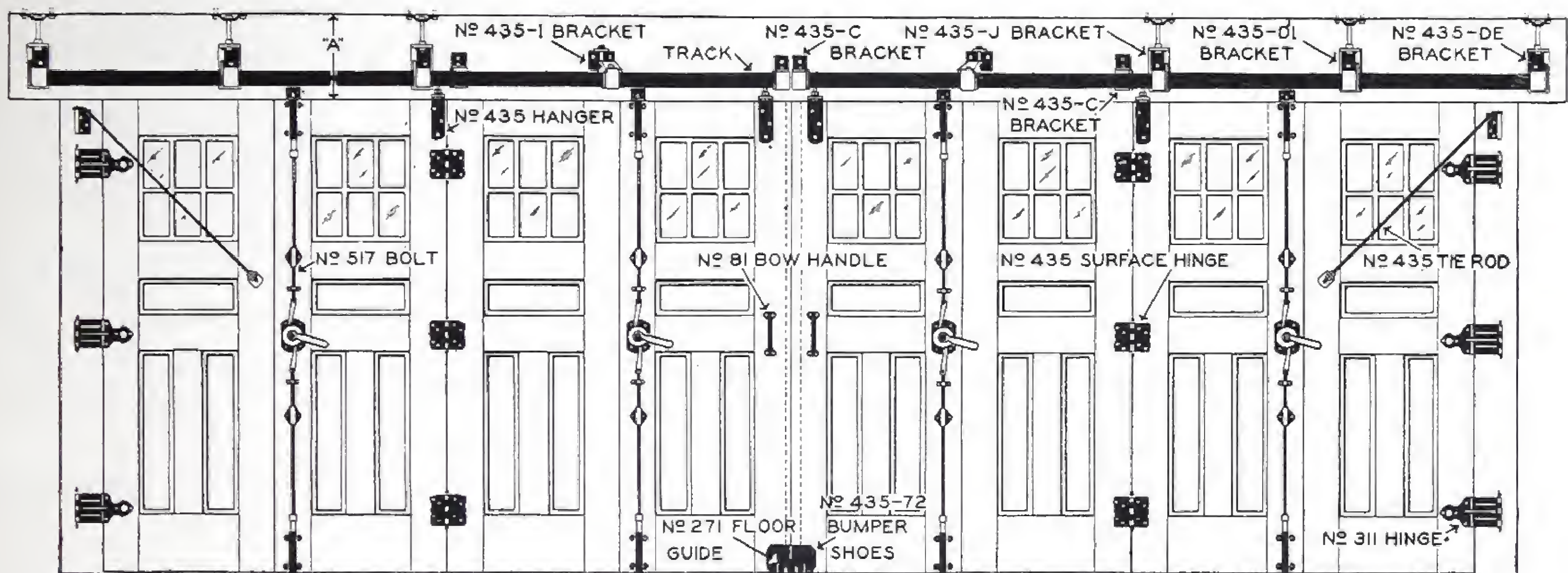


Fig. A-744—Interior Elevation showing proper location and names of 435 Parts for Four-Track 8-Door Sets, including 517 Cremone Bolts.

All illustrations on this page show 31 Track with 311 Offset Hinges at the jamb toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

Fig. A-746
Interior Elevation showing 435 Hardware, including 617 Cremone Bolts.

Fig. A-747
Interior Elevation showing 435 Hardware, including 514 Spring Top or Bottom Bolts. 414 Bolts are applied the same as the 514 Bolts.

Fig. A-748
Interior Elevation showing 435 Hardware, including 514 Spring Top Bolts and 524 Cane Bottom Bolts.

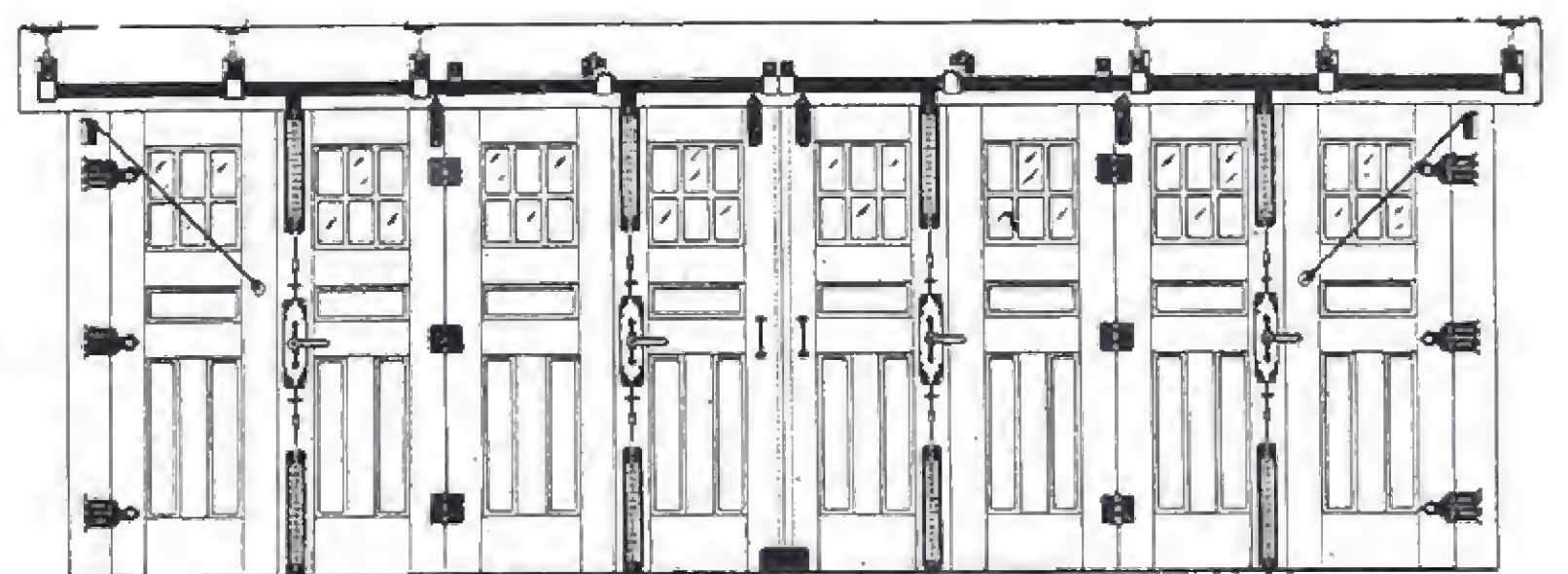


Fig. A-746

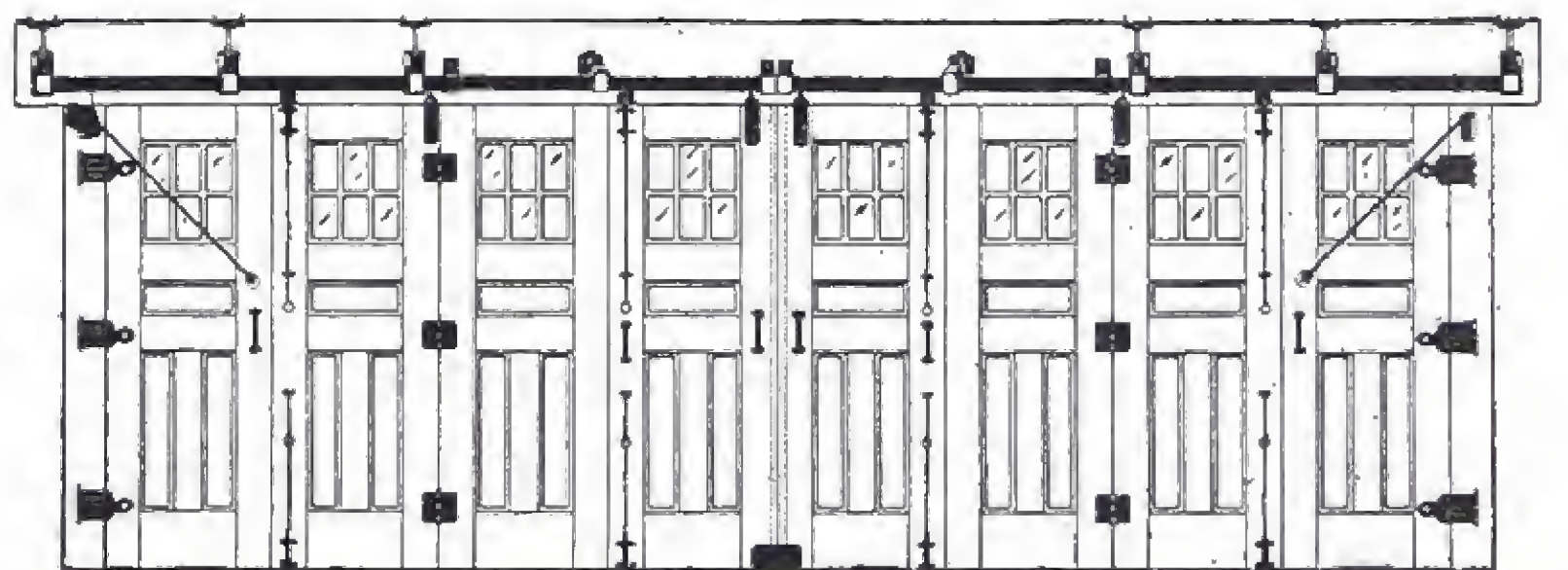


Fig. A-747



Fig. A-748

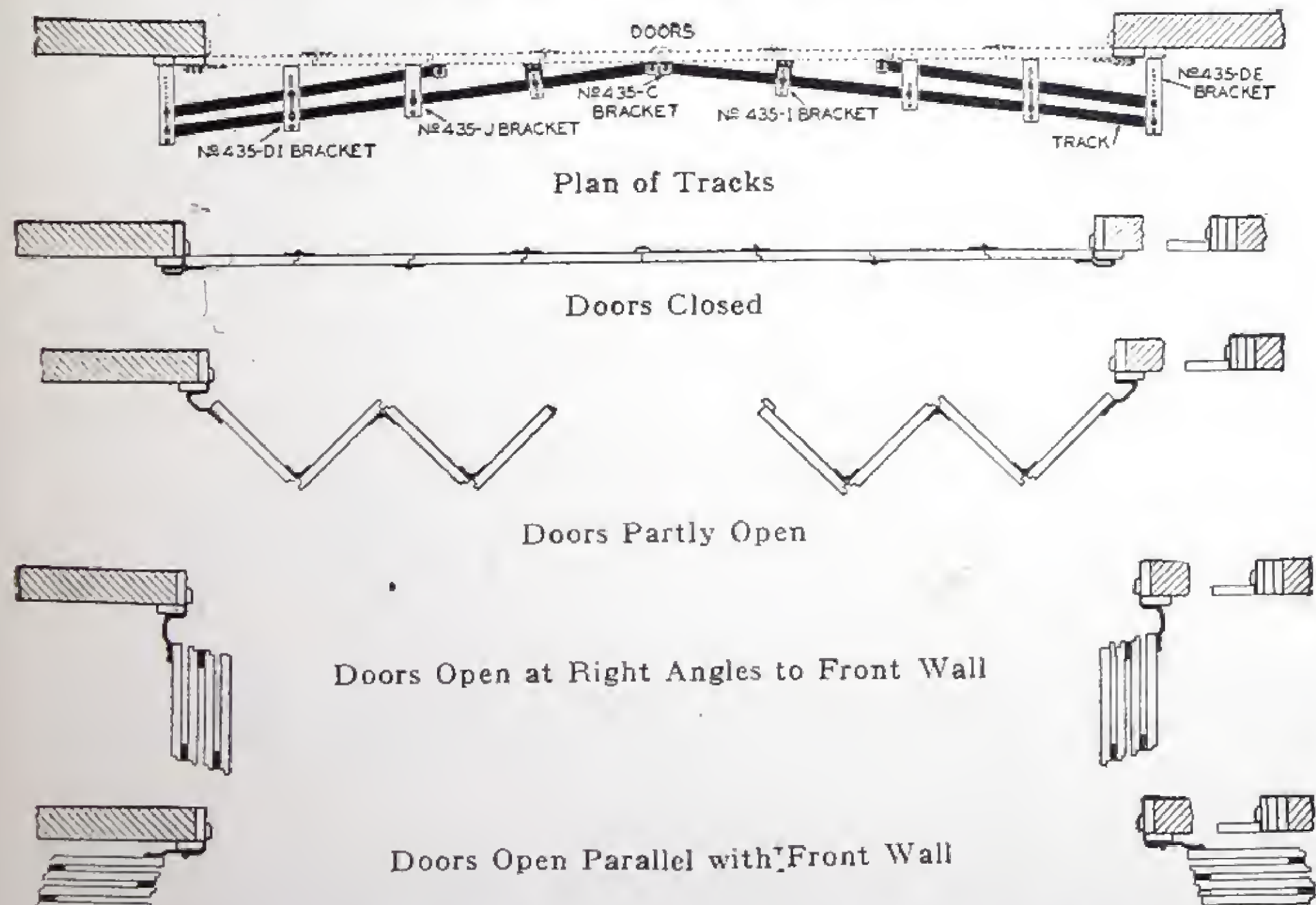


Fig. A-745—Main Floor Plans show correct design of frames and jambs for brick or concrete construction. Frames and jambs should be made the same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

Fig. A-745—Main Floor Plans

Slidetite

Patented

R-W No. 435

9-Door Sets

For Openings, up to 27 Feet Wide—Doors Open In
Best results are obtained by using doors not more than 3 feet in width
Wider doors require additional track and brackets. Doors must be of equal width
List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hd.w. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hd.w. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hd.w. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
8 No. 514 Spring Top or Bottom Bolts (page 121).....	\$76.00	232	\$103.00	348	\$120.00	381
4 No. 514 Spring Top Bolts (page 121), and 4 No. 524-1 Cane Bottom Bolts (page 121).....	76.00	236	103.00	352	120.00	385
4 No. 414 Self-Aligning Top Bolts (page 119), and 4 No. 524-1 Cane Bot- tom Bolts (page 121).....	77.00	240	104.00	356	121.00	389
8 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	78.00	240	105.00	356	122.00	389
4 No. 417 Chain Top and Bottom Bolts (page 118).....	82.60	248	109.60	365	126.60	398
§4 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	91.40	264	118.40	380	135.40	413
§4 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	111.00	272	138.00	388	155.00	421

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.
Direction Sheet showing erecting details furnished with hardware.
§ If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware. Width and height of opening. Thickness of doors. Kind of locking bolts wanted. Kind of trolley Track wanted.
Example Order—1 set, 9-door "Slidetite" No. 435 for opening 27 feet wide, 8 feet high, doors 1 3/4 inches thick, including No. 514 Locking Bolts and No. 31 Trolley Track.

Detail of Hardware and List of Parts
Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for 9-Door Complete Sets	Light Weight Hd.w. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hd.w. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hd.w. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
4 Hangers, Roller Bearing.....	†435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
4 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
2 Brackets, Joint.....	435x31-J	"	435x232-J	"	435x33-J	"
2 Brackets, Double End.....	435x31-DE	"	435x232-DE	"	435x33-DE	"
2 Brackets, Double Intermediate.....	435x31-DI	"	435x232-DI	"	435x33-DI	"
6 Ceiling Clips.....	435x31-CC	"	435x232-CC	"	435x33-CC	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
10 1/2 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435	"	435	"
1 Bow Handle.....	81-1	"	81-2	"	81-2	"
1 Door Holder.....	119	"	119	"	119	"
1 Center Floor Guide.....	271	"	271	"	271	"
2 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
2 Tie Rods for doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
or 2 Tie Rods for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following sets)						
†8 Spring Top or Bottom Bolts.....	514-1	See page 121	514-2	See page 121	514-2	See page 121
† or 8 Self-Aligning Top or Bottom Bolts.....	414-1	119	414-2	119	414-2	119
†4 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
† and 4 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
†4 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
† and 4 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
4 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
§4 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
§4 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120

Notes—† When using No. 35 Track specify No. 435-4 Hangers. * Six pieces of track. Length of two pieces each equals width of two doors plus approxi-
mately one foot. Length of two pieces each equals width of two doors plus approximately 1 1/2 feet. Length of two pieces each equals width of two doors minus
approximately 1/2 foot. † In this case four extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections listing at 80 cents each.

9-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set \$55.00. Shipping weight 142 pounds. For No. 33 track, per set \$78.00. Shipping weight 245 pounds.
For No. 232 track, per set 71.00. Shipping weight 217 pounds. Example Order—1 Short Set 9-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Set

"Slidetite" Heavy Hardware with offset hinges designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount.....

Slidetite

Patented

R-W No. 435 Garage Door Hardware

9-Door Sets

CONTINUED

Doors Open In

Headroom Required See "A" of Fig. A-750

For No. 31 or 35 Track.....	9 inches
For No. 232 Track.....	11 inches
For No. 33 Track.....	11½ inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

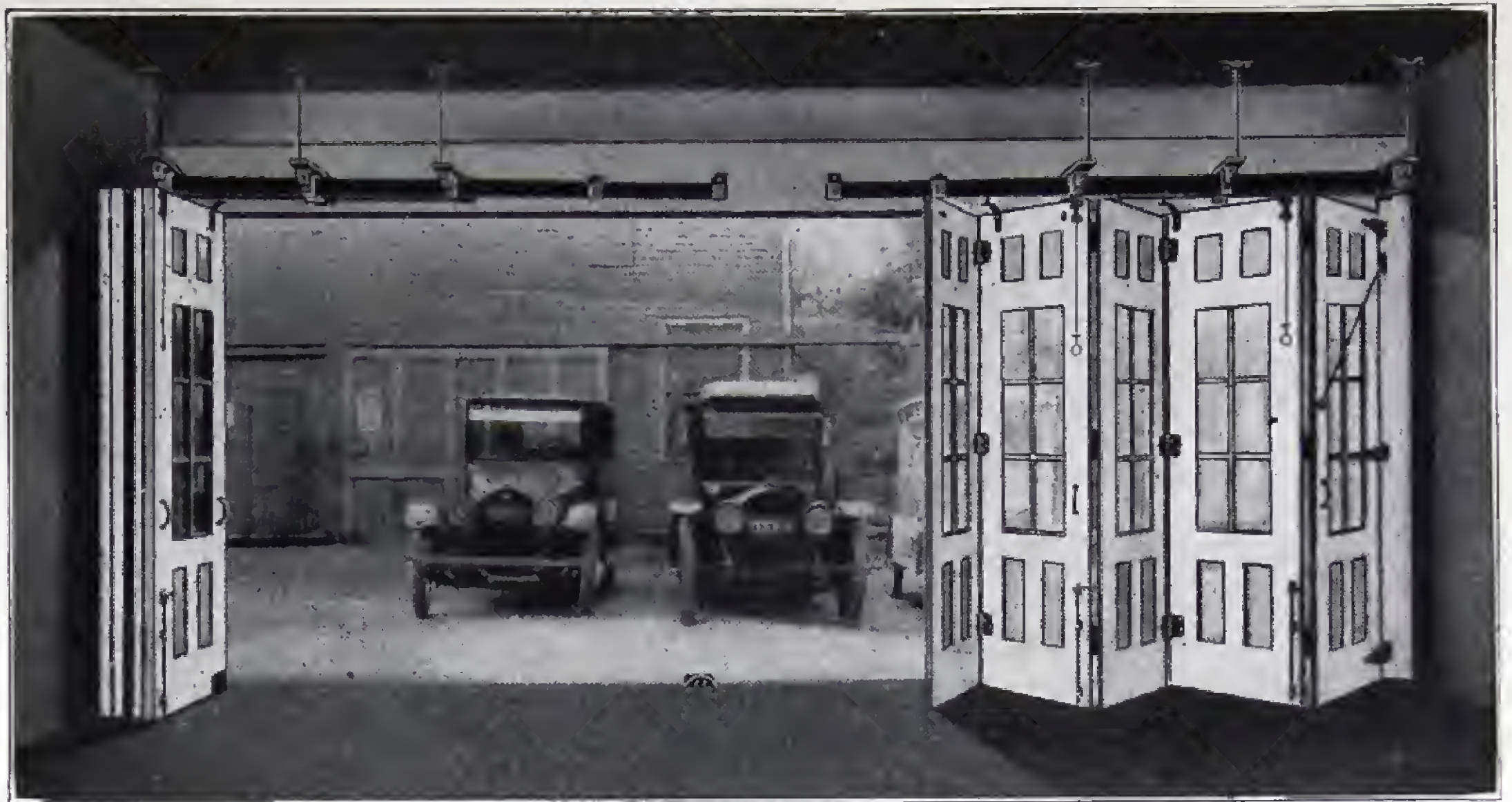


Fig. A-749—Interior View. Three Car Garage.

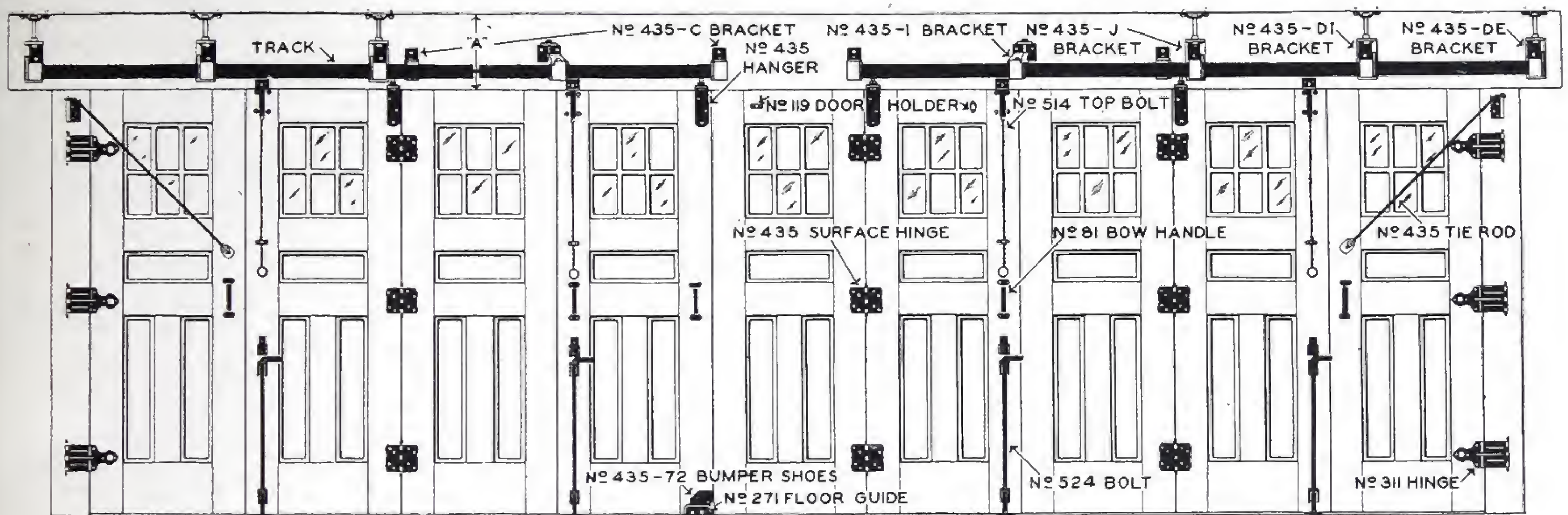


Fig. A-750

Interior Elevation showing proper location and names of 435 Parts for 9-Door Sets, including 514 Spring Top Bolts and 524 Cane Bottom Bolts.

All illustrations on this page show 31 Track with 311 Offset Hinges at the jambs toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track is used 435-5" Butts are furnished.

Fig. A-752

Interior Elevation showing 435 Hardware, including 514 Spring Top or Bottom Bolts. 414 Bolts are applied the same as the 514 Bolts.

Fig. A-753 Interior Elevation showing 435 Hardware, including 517 Cremone Bolts.

Fig. A-754 Interior Elevation showing 435 Hardware, including 617 Cremone Bolts.

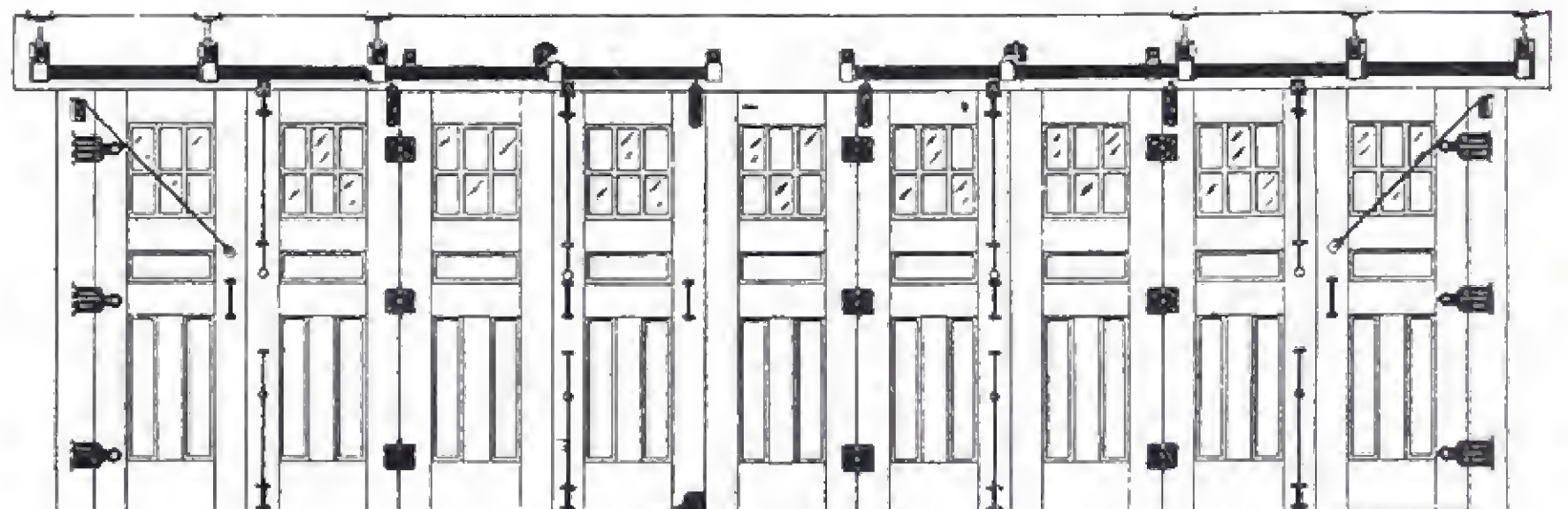


Fig. A-752

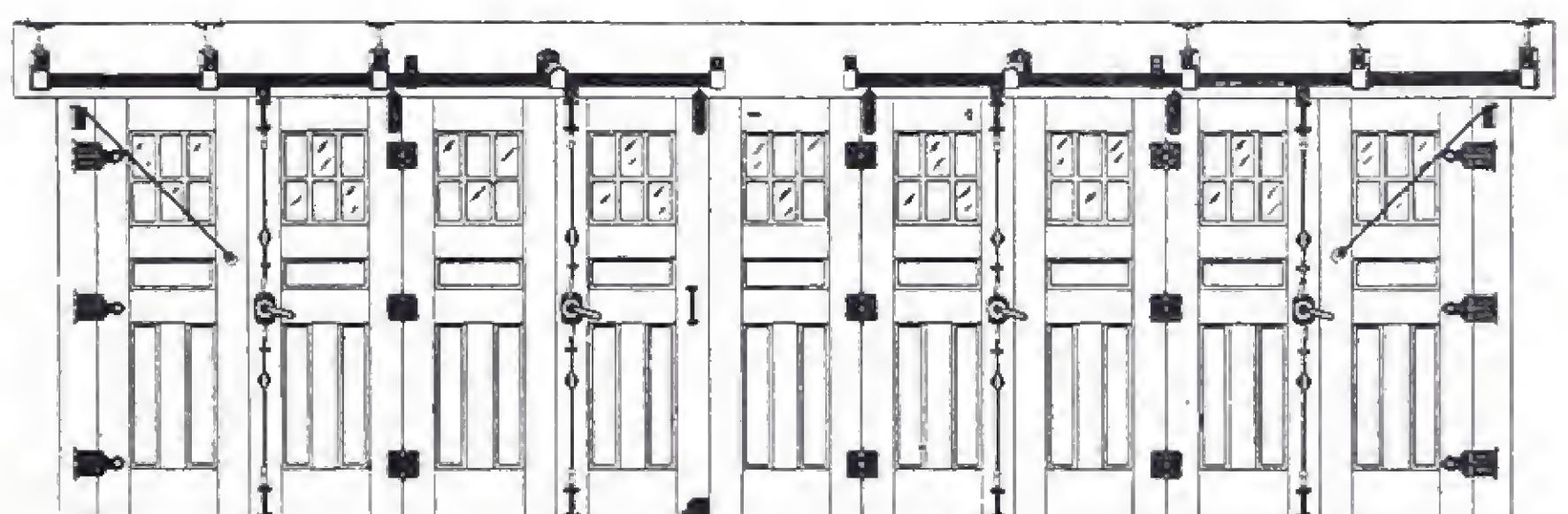


Fig. A-753

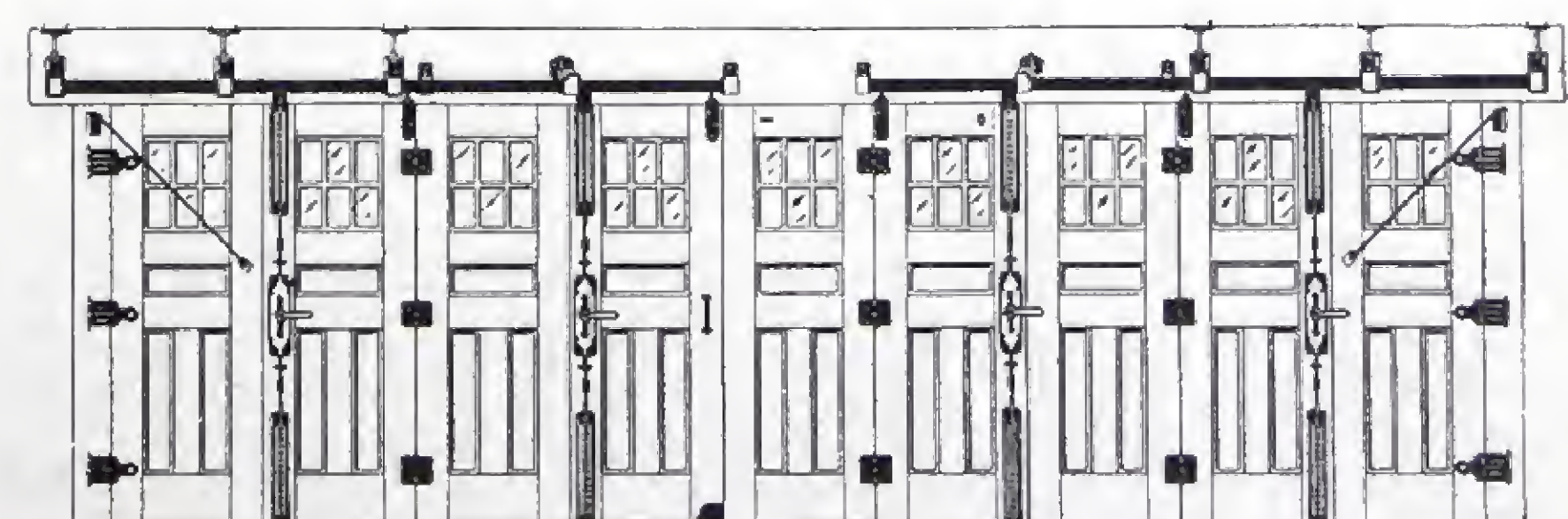


Fig. A-754

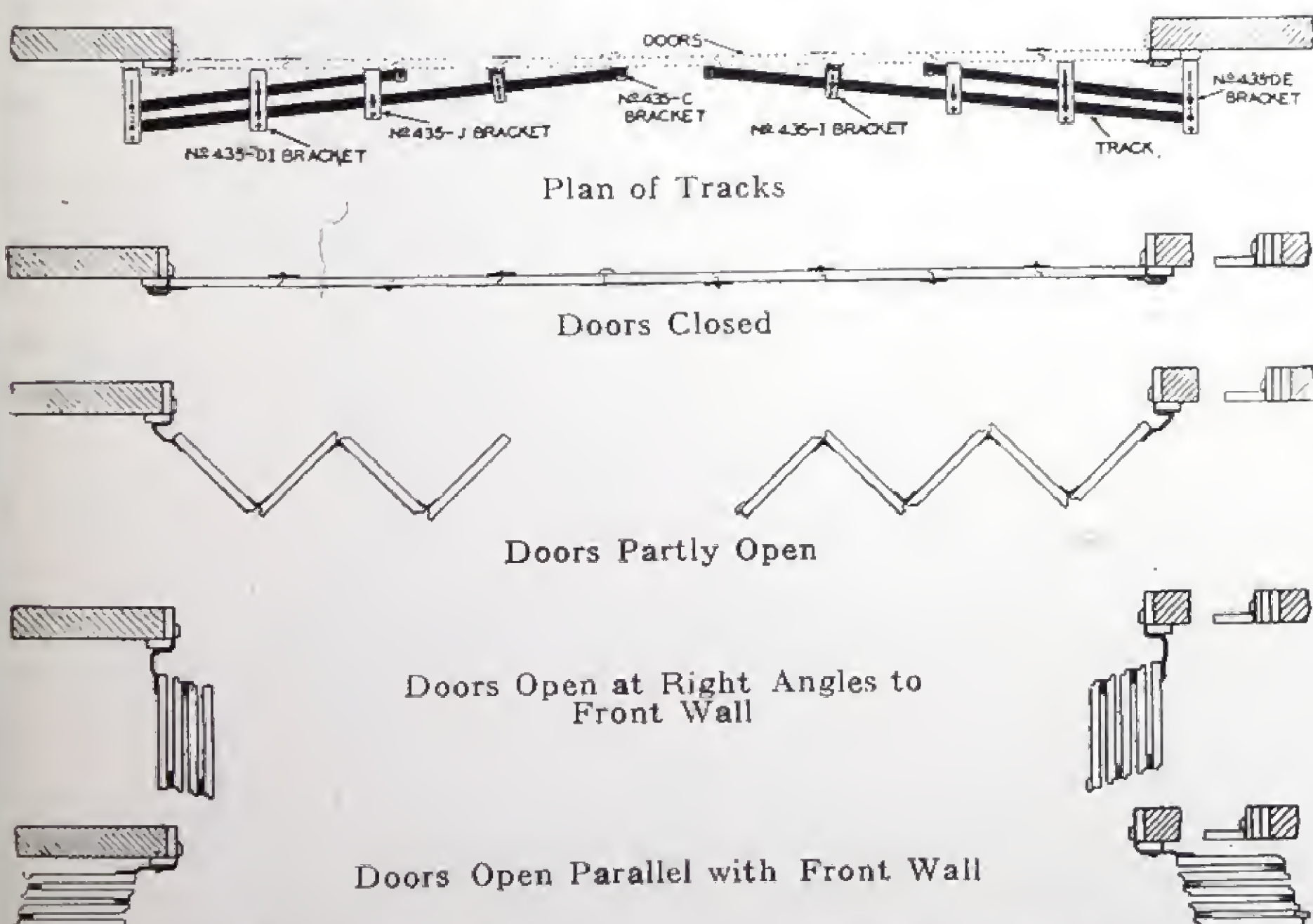


Fig. A-751—Main floor plans show correct design of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.



Patented

R-W No. 435

10-Door Sets

For Openings up to 30 Feet Wide—Doors Open In

Best results are obtained by using doors not more than 3 feet in width
Wider doors require additional track and brackets. Doors must be of equal width

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: (Lock for Entrance Door not included in set, see page 116.)	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. Each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. Each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. Each	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set including:						
10 No. 514 Spring Top or Bottom Bolts (page 121).....	\$77.50	239	\$104.50	372	\$121.50	398
5 No. 514 Spring Top Bolts (page 121), and 5 No. 524-1 Cane Bottom Bolts (page 121).....	77.50	243	104.50	376	121.50	402
5 No. 414 Self-Aligning Top Bolts (page 119), and 5 No. 524-1 Cane Bottom Bolts (page 121).....	78.75	248	105.75	381	122.75	407
10 No. 414 Self-Aligning Top or Bottom Bolts (page 119).....	80.00	249	107.00	382	124.00	408
5 No. 417 Chain Top and Bottom Bolts (page 118).....	86.00	259	113.00	390	130.00	418
5 No. 517 Cremone Bolts, for doors up to 9' high (page 119).....	97.00	279	124.00	412	141.00	438
5 No. 617 Cremone Bolts, for doors up to 10' high (page 120).....	120.50	290	147.50	423	164.50	449

Note—Sets including Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.
Direction Sheet showing erecting details furnished with hardware.
§ If desired for higher doors order extra 18" sections which list at 80 cents each.

Directions for Ordering Complete Sets

State—Type and style of hardware. Width and height of opening. Thickness of doors. Kind of Locking Bolts wanted. Kind of Trolley Track wanted.
Example Order—One set, 10-door "Slidetite" No. 435 for opening 30' wide, 8' high, doors 1 3/4" thick, including No. 514 Locking Bolts and No. 31 Trolley
Track.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details.

Quantity of Hardware Required for 10-Door Complete Sets	Light Weight Hdw. using No. 31 or 35 Track For Doors Weighing up to 125 lbs. each		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 125-200 lbs. each		Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
4 Hangers, Roller Bearing.....	†435-1	Page 5	435-3	Page 5	435-2	Page 5
*Trolley Track.....	31 or 35	"	232	"	33	"
4 Brackets, Center Track.....	435x31-C	"	435x232-C	"	435x33-C	"
2 Brackets, Intermediate Track.....	435x31-I	"	1035x232-I	"	1035x33-I	"
2 Brackets, Joint.....	435x31-J	"	435x232-J	"	435x33-J	"
2 Brackets, Double End.....	435x31-DE	"	435x232-DE	"	435x33-DE	"
2 Brackets, Double Intermediate.....	435x31-DI	"	435x232-DI	"	435x33-DI	"
6 Ceiling Clips.....	435x31-CC	"	435x232-CC	"	435x33-CC	"
3 Pr. Hinges, Half Surface Butt.....	311-4"	"		"		"
3 Pr. Hinges, Butt.....		"	435-5"x5"	"	435-5"x5"	"
12 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435	"	435	"
2 Door Holders.....	119	"	119	"	119	"
2 Tie Rods for doors 23" to 29" wide.....	435-1	"	435-1	"	435-1	"
or 2 Tie Rods for doors 30" to 36" wide.....	435-2	"	435-2	"	435-2	"
1 Set of Locking Bolts (Selected from the following sets)						
†10 Spring Top or Bottom Bolts.....	514-1	See page	514-2	See page	514-2	See page
† or 10 Self-Aligning Top or Bottom Bolts.....	414-1	121	414-2	121	414-2	121
		119		119		119
†5 Spring Top Bolts.....	514-1	121	514-2	121	514-2	121
† and 5 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
†5 Self-Aligning Top Bolts.....	414-1	119	414-2	119	414-2	119
† and 5 Cane Bottom Bolts.....	524-1	121	524-1	121	524-1	121
5 Chain Top and Bottom Bolts.....	417	118	417	118	417	118
55 Cremone Bolts, for doors up to 9' high.....	517	119	517	119	517	119
55 Cremone Bolts, for doors up to 10' high.....	617	120	617	120	617	120

Notes—† When using No. 35 Track specify No. 435-4 Hangers. * Six pieces of track. Length of two pieces each equals width of two doors plus approxi-
mately one foot. Length of two pieces each equals width of two doors plus approximately 1 1/2 feet. Length of two pieces each equals width of two doors minus
approximately 1/2 foot. ‡ In this case five extra Bow Handles are furnished. § If desired for higher doors order extra 18" sections listing at 80 cents each.

10-Door Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31-35 track, per set \$55.00. Shipping weight 145 pounds. For No. 33 track, per set \$78.00. Shipping weight 252 pounds.
For No. 232 track, per set 71.00. Shipping weight 238 pounds. Example Order—1 Short Set 10-door "Slidetite" No. 435 for No. 31 track.

Heavy Offset Hinge Set

"Slidetite" Heavy Hardware with offset hinge, designed to swing doors clear of the opening and to carry heavy doors, is shown on pages 30 to 39.

Discount.....

Slidetite

Patented

R-W No. 435 Hardware 10-Door Sets

CONTINUED

Headroom Required

See "A" of Fig. A-756

For No. 31 or 35 Track.....	9	inches
For No. 232 Track.....	11	inches
For No. 33 Track.....	11½	inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

All illustrations on this page show 31 Track with 311 Offset Hinges at the jambs toward which the doors fold. If heavier hardware, Nos. 232 or 33 Track, is used 435-5" Butts are furnished.

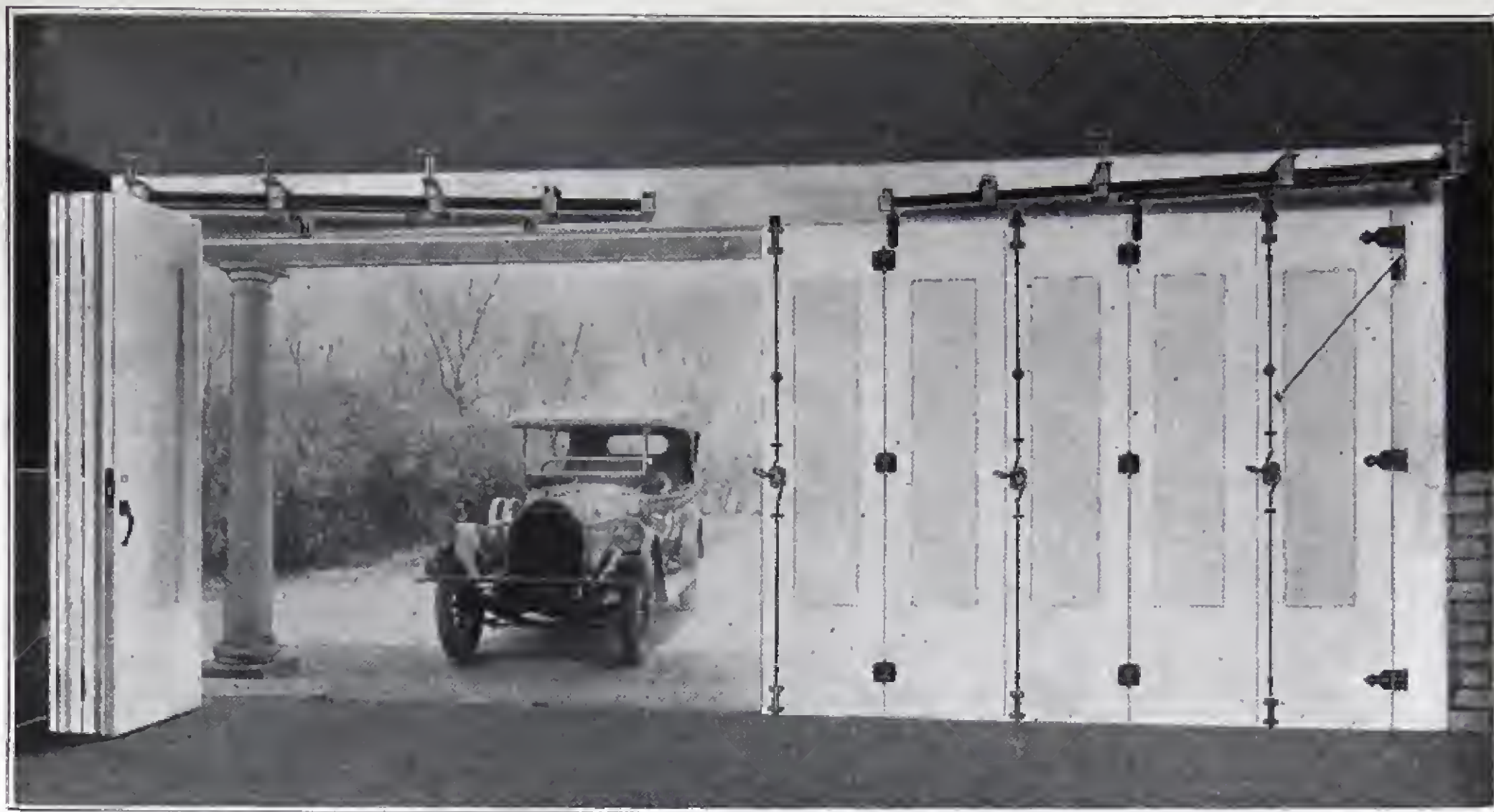


Fig. A-755—Interior View. Three Car Garage.

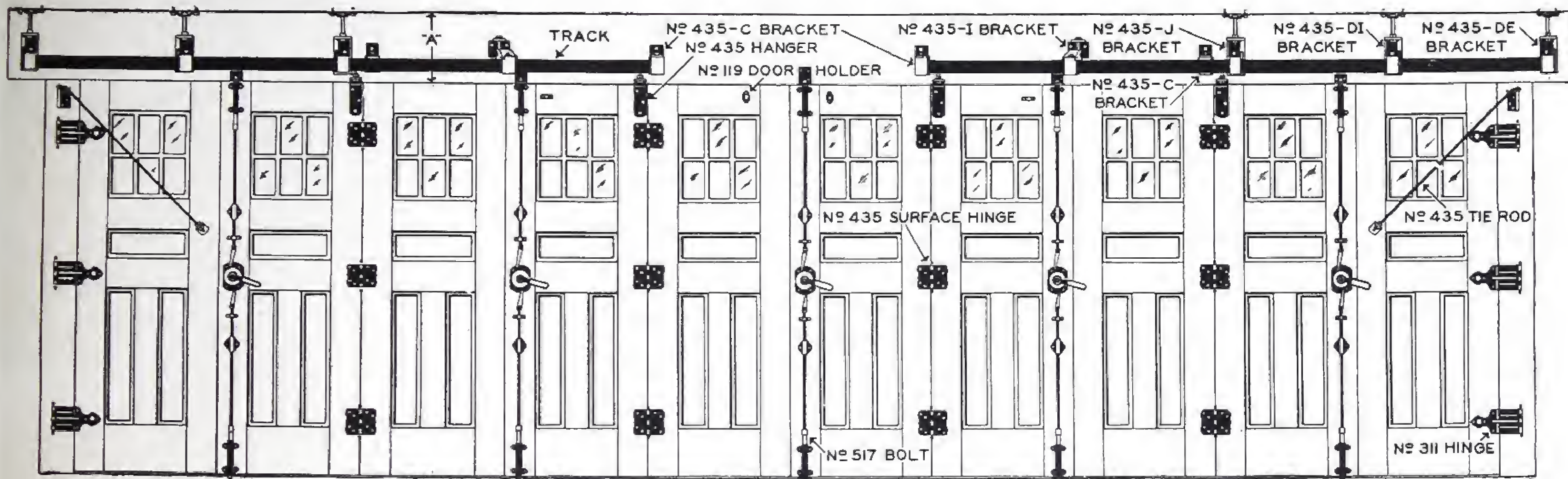


Fig. A-756—Interior Elevation showing proper location and names of 435 Parts for 10-Door Sets, including 517 Cremone Bolts.

Fig. A-758

Interior Elevation showing 435 Hardware, including 617 Cremone Bolts.

Fig. A-759

Interior Elevation showing 435 Hardware, including 514 Spring Top or Bottom Bolts. The 414 Bolts are applied the same as are the 514.

Fig. A-760

Interior Elevation showing 435 Hardware, including 514 Spring Top Bolts and 524 Cane Bottom Bolts.

Fig. A-757—Main Floor Plans show correct design of frames and jambs for brick or concrete construction. Frames and jambs should be made same thickness as the doors. Small detail at right shows frame construction. Doors must be flush with frames and jambs.

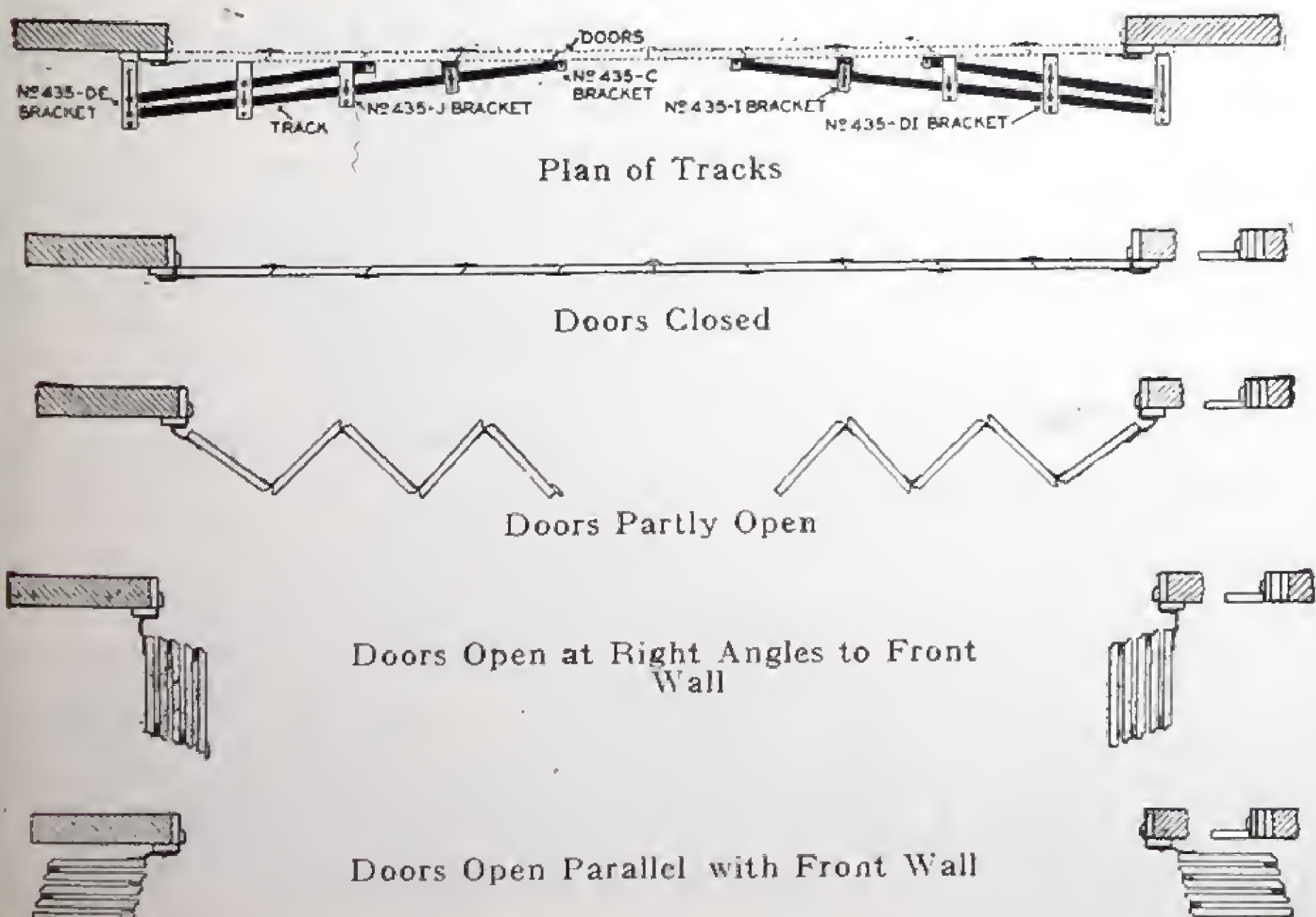


Fig. A-757—Main Floor Plans.

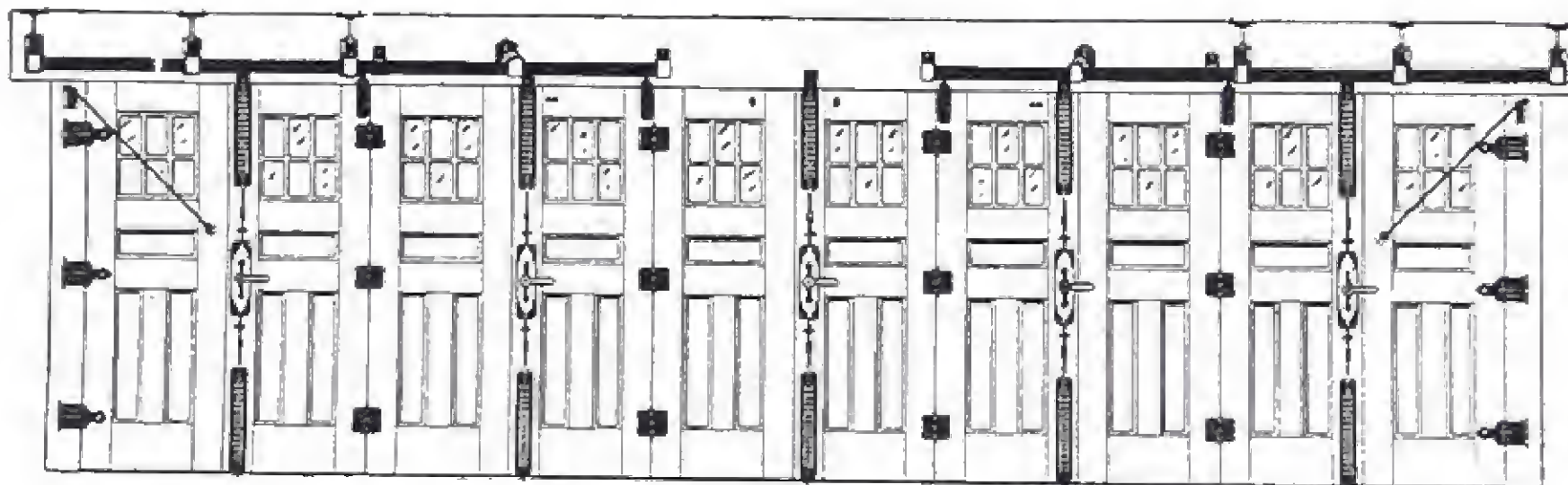


Fig. A-758

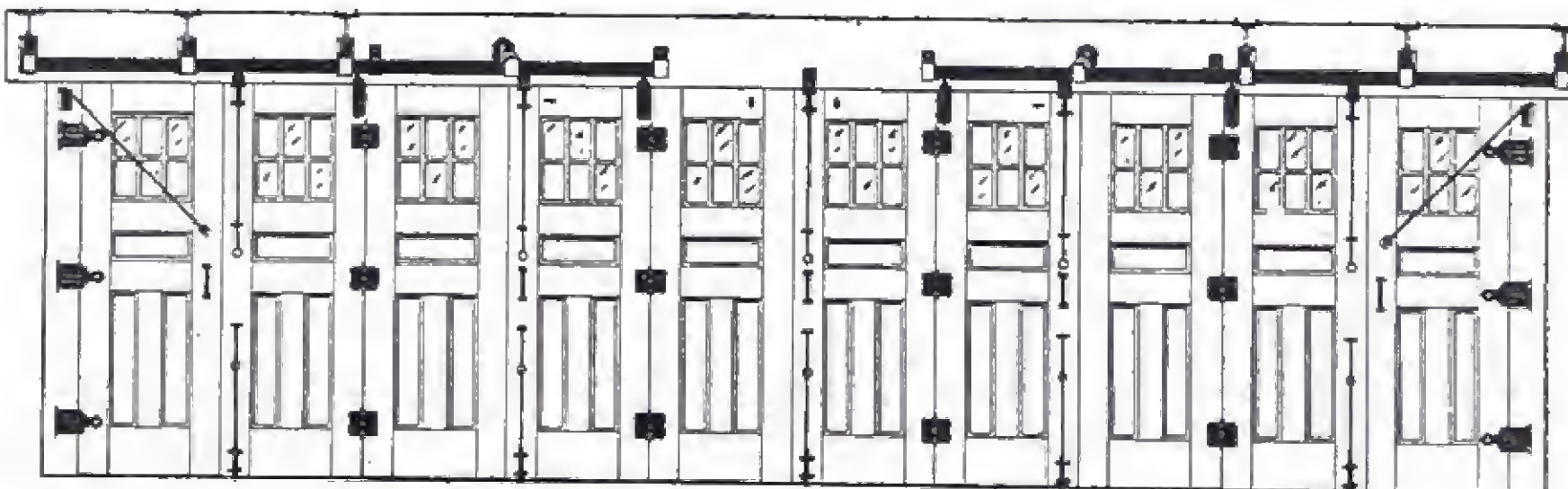


Fig. A-759

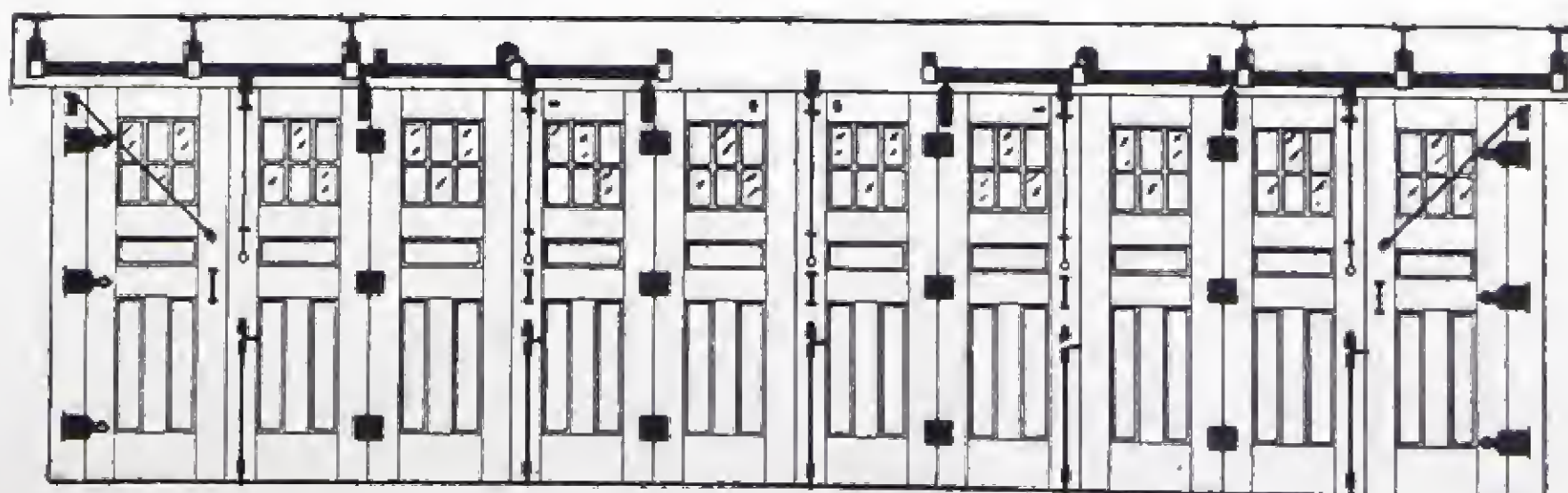


Fig. A-760

R-W No. 435

Slidetite

Patented

Doors Opening Out

2 to 10 Door Sets



Slidetite Garage Door Hardware is designed and ordinarily used for doors opening inside the garage. However, there is no fundamental reason why the hardware should not be used for doors opening out, if the garage builder so desires.

No. 435 Out Opening garage door sets operate similar to doors opening inside of the garage, illustrated on pages 2 to 27, except that the doors fold outside of the building instead of inside. For this purpose we furnish a special Offset Surface Hinge which will give sufficient

space between the doors for locking bolts, when the doors stand in open position, and hanger aprons are made with an offset great enough to clear a casing $1\frac{1}{8}$ " thick. Butt Hinges are used at jamb, with sets for all sizes of track.

Set prices as shown below are based on furnishing hardware for doors which are not more than 3 feet wide each, as we have found that doors of this size give best results. If wider doors are desired additional track and brackets are required. All doors must be of equal width.

List Price for Complete Sets (2 to 10-Door Sets) for Doors Opening Out.

These prices include hardware for set desired together with all Wall Bolts and Screws necessary, to erect, Plus choice of Locking Bolts as shown in this table. (Lock for Entrance Door not included in set, see Page. 116.)	With No. 514 Top and Bottom Spring Bolts (Pg. 121)		With No. 514 Top Bolts and No. 524-1 Cane Bottom Bolts (Pg. 121)		With No. 414 Top and Bottom Self-Aligning Bolts (Pg. 119)		With No. 414 Top Bolts and No. 524-1 Cane Bottom Bolts (Pgs. 119-121)		With No. 417 Top and Bottom Bolts (Pg. 118)		*With No. 517 Cremona Bolts Adjustable for Doors up to 9' High (Pg. 119)		*With No. 617 Cremona Bolts Adjustable for Doors up to 10' High (Pg. 120)	
	List Price	Shipping Weight Lbs.	List Price	Shipping Weight Lbs.	List Price	Shipping Weight Lbs.	List Price	Shipping Weight Lbs.	List Price	Shipping Weight Lbs.	List Price	Shipping Weight Lbs.	List Price	Shipping Weight Lbs.
Two-Door Set , see pages 6-7														
Three-Door Set , for opening 9' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	\$14.00	40	\$14.00	41	\$14.50	42	\$14.25	42	\$15.40	45	\$17.60	47	\$21.50	49
with No. 232 Track—for doors weighing between 125-200 lbs. each....	21.30	82	21.30	83	21.80	84	21.55	84	23.20	87	25.40	89	29.30	91
with No. 33 Track—for doors weighing more than 200 lbs. each....	24.50	102	24.50	103	25.00	104	24.75	104	26.90	108	29.10	110	33.00	112
One-Track Four-Door Set , for opening 12' wide														
with No. 31 or 35 Track—for Doors weighing up to 125 lbs. each....	16.00	55	16.00	56	17.00	59	16.50	58	19.05	63	22.85	70	31.25	74
with No. 232 Track—for doors weighing between 125-200 lbs. each....	24.60	89	24.60	90	25.60	93	25.10	92	28.40	97	32.80	105	40.60	109
with No. 33 Track—for doors weighing more than 200 lbs. each....	28.20	108	28.20	109	29.20	112	28.70	111	32.30	115	36.70	125	44.50	129
Two-Track Four-Door Set , for opening 12' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	21.00	83	21.00	84	22.00	87	21.50	86	22.80	90	27.20	97	35.00	102
with No. 232 Track—for doors weighing between 125-200 lbs. each....	39.50	139	39.50	141	40.50	143	40.00	143	43.30	147	47.70	154	55.50	159
with No. 33 Track—for doors weighing more than 200 lbs. each....	46.00	156	46.00	158	47.00	160	46.50	160	49.80	164	54.20	170	62.00	175
Five-Door Set , for opening 15' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	24.50	89	24.50	90	25.50	93	25.00	92	26.80	97	30.20	103	38.00	107
with No. 232 Track—for doors weighing between 125-200 lbs. each....	42.50	149	42.50	151	43.50	153	43.00	153	47.30	158	51.70	166	59.50	170
with No. 33 Track—for doors weighing more than 200 lbs. each....	49.00	166	49.00	168	50.00	170	49.50	170	53.80	177	58.20	186	66.00	190
Six-Door Set , for opening 18' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	28.00	93	28.00	95	29.50	99	28.75	98	31.20	105	37.80	166	49.50	121
with No. 232 Track—for doors weighing between 125-200 lbs. each....	43.50	154	43.50	156	45.00	160	44.25	159	49.70	165	56.30	174	68.00	179
with No. 33 Track—for doors weighing more than 200 lbs. each....	50.00	174	50.00	176	51.50	180	50.75	179	56.20	187	62.80	198	74.50	203
Seven-Door Set , for opening 21' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	51.00	167	51.00	170	52.50	173	51.75	173	57.20	180	63.80	191	75.50	196
with No. 232 Track—for doors weighing between 125-200 lbs. each....	72.00	254	72.00	257	73.50	260	72.75	260	78.20	267	84.80	278	96.50	284
with No. 33 Track—for doors weighing more than 200 lbs. each....	84.00	280	84.00	283	85.50	286	84.75	286	90.20	293	96.80	304	108.50	310
Three-Track, Eight-Door Set , for opening 24' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	52.30	173	52.30	177	54.30	181	53.30	181	60.60	190	69.40	206	85.00	212
with No. 232 Track—for doors weighing between 125-200 lbs. each....	73.30	269	73.30	273	75.30	277	74.30	277	81.60	286	90.40	302	106.00	308
with No. 33 Track—for doors weighing more than 200 lbs. each....	85.30	304	85.30	308	87.30	312	86.30	312	93.60	320	102.40	338	118.00	344
Four-Track, Eight-Door Set , for opening 24' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	75.00	230	75.00	234	77.00	238	76.00	238	81.60	247	90.40	262	110.00	270
with No. 232 Track—for doors weighing between 125-200 lbs. each....	102.00	346	102.00	350	104.00	354	103.00	354	108.60	363	117.40	378	137.00	386
with No. 33 Track—for doors weighing more than 200 lbs. each....	119.00	379	119.00	383	121.00	387	120.00	387	125.60	396	134.40	411	154.00	419
Nine-Door Set , for opening 27' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	76.00	232	76.00	236	78.00	240	77.00	240	82.60	248	91.40	264	111.00	272
with No. 232 Track—for doors weighing between 125-200 lbs. each....	103.00	348	103.00	352	105.00	356	104.00	356	109.60	365	118.40	380	138.00	388
with No. 33 Track—for doors weighing more than 200 lbs. each....	120.00	381	120.00	385	122.00	389	121.00	389	126.60	398	135.40	413	155.00	421
Ten-Door Set , for opening 30' wide														
with No. 31 or 35 Track—for doors weighing up to 125 lbs. each....	77.50	239	77.50	243	80.00	249	78.75	249	86.00	259	97.00	279	120.50	290
with No. 232 Track—for doors weighing between 125-200 lbs. each....	104.50	372	104.50	376	107.00	382	105.75	382	113.00	390	124.00	412	147.50	423
with No. 33 Track—for doors weighing more than 200 lbs. each....	121.50	398	121.50	402	124.00	408	122.75	408	130.00	418	141.00	438	164.50	449

Note—Sets include screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted see page 132 for details and prices of hardware. For use with Two-Track Four Door, and Four-Track Eight-Door sets only. *When doors are higher, extra 18' extensions, listing at 80 cents each, are required for each bolt.

DIRECTIONS FOR ORDERING COMPLETE SETS

State—Type and style of hardware. Width and height of opening. Thickness of Doors. Kind of locking bolts wanted. Kind of trolley track. State that doors open out.

Example Order for Complete Sets—One set, 5-door No. 435 "Slidetite" for opening 15 feet wide, 8 feet high, doors $2\frac{1}{4}$ inches thick and No. 31 Trolley Track, with 417 Bolts. Doors open out.

No. 435 Short Sets for Doors Opening Out

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock we are in a position to furnish Short Sets at the following prices:

For Track Number	For Doors Weighing Each	3-Door Set		One-Track 4-Door Set		Two-Track 4-Door Set		5-Door Set		6-Door Set	
		List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
No. 31-35	Up to 125 lbs.....	\$10.00	34	\$11.00	38	\$15.00	54	\$17.00	60	\$18.00	59
No. 232	125-200 lbs.....	16.70	62	17.00	65	30.50	105	33.50	110	34.50	115
No. 33	More than 200 lbs.....	18.80	72	19.60	76	35.00	119	39.60	125	40.60	132

Example Order for Short Sets—1 short set, 5-door No. 435 "Slidetite" for No. 3 track. Doors open out.

Discount

Slidetite

Patented

R-W No. 435 Hardware

2 to 10-Door Sets

Doors Opening Out

CONTINUED

Headroom Required See "A" of Fig. A-763

For 2-Door, 3-Door and 4-Door 2 Track Sets

For No. 31 or 35 Track.....	6 inches
For No. 232 Track.....	8¼ inches
For No. 33 Track.....	8½ inches

For 4 Door, 1 Track Sets

Also 5 Door Sets and for 6 Door Sets

For No. 31 or 35 Track.....	8¼ inches
For No. 232 Track.....	11¼ inches
For No. 33 Track.....	11½ inches

For 7 to 10 Door Sets

For No. 31 or 35 Track.....	9 inches
For No. 232 Track.....	11 inches
For No. 33 Track.....	11½ inches

Location of Bolt Holes and Bracket Spacings are given on page 112.

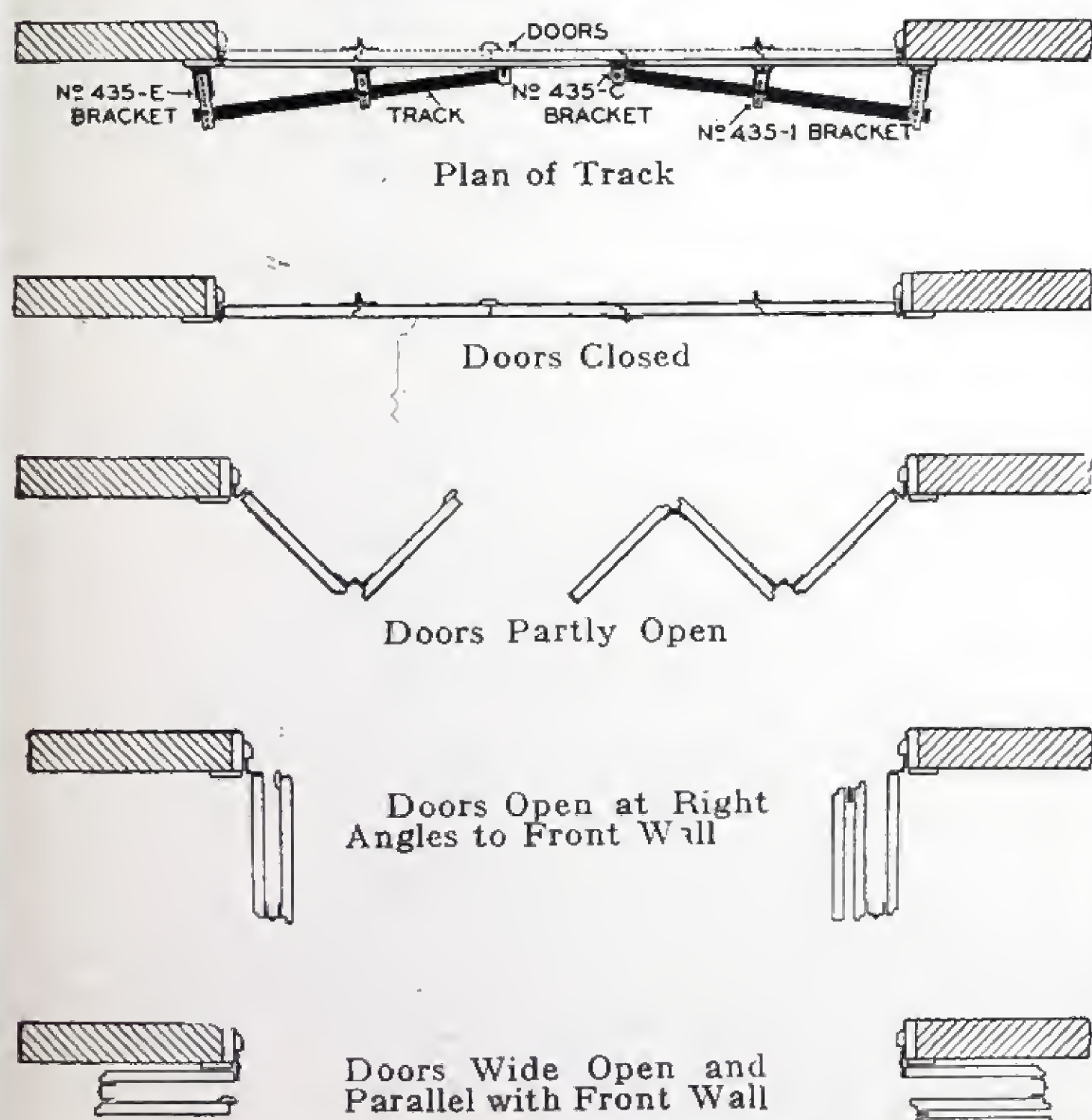


Fig. A-761—Main Floor Plans



Fig. A-762—Exterior View. Six Doors Opening Out.

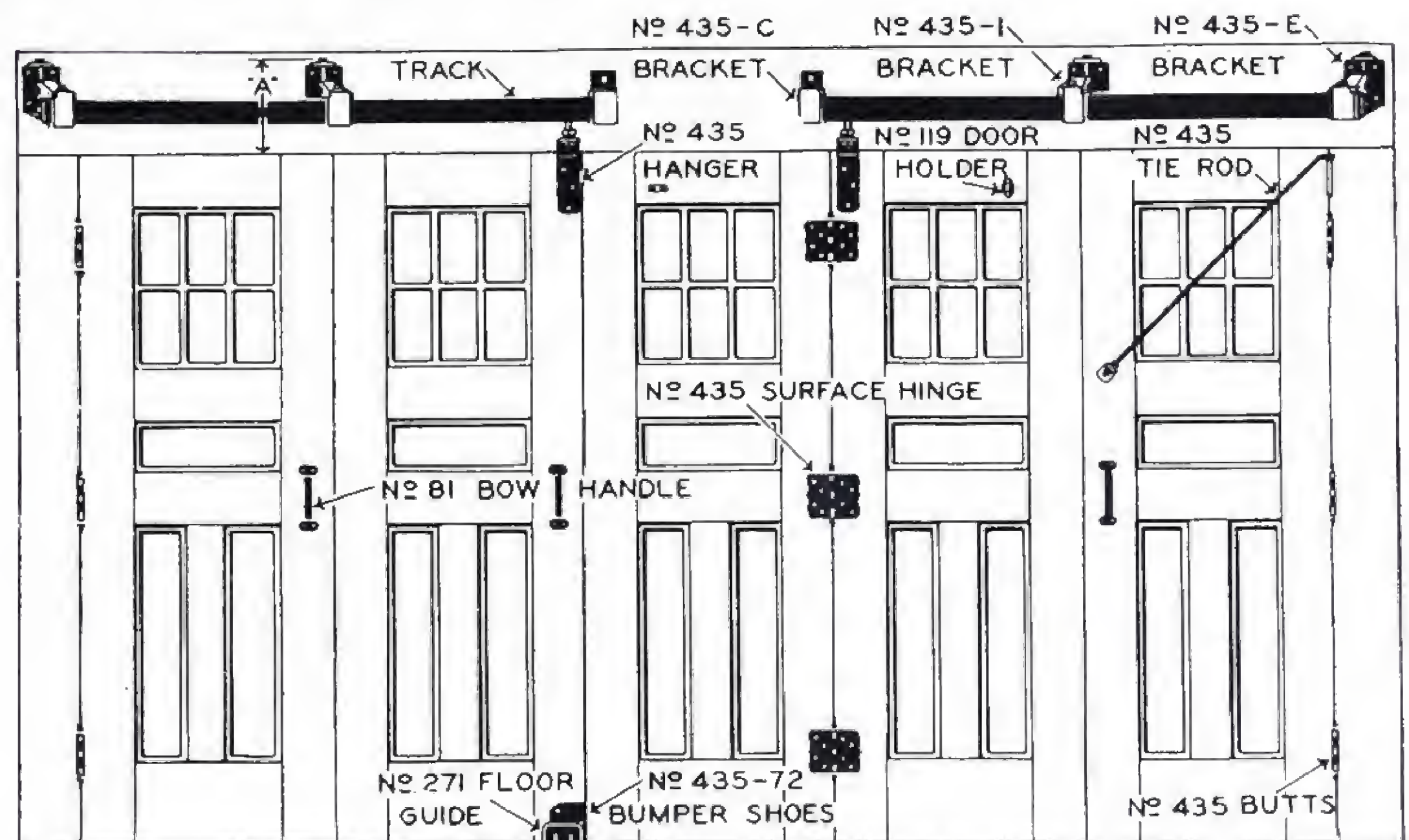


Fig. A-763—Exterior Elevation showing proper location and names of 435 Parts as used on the outside of a 5-Door Opening Out set.

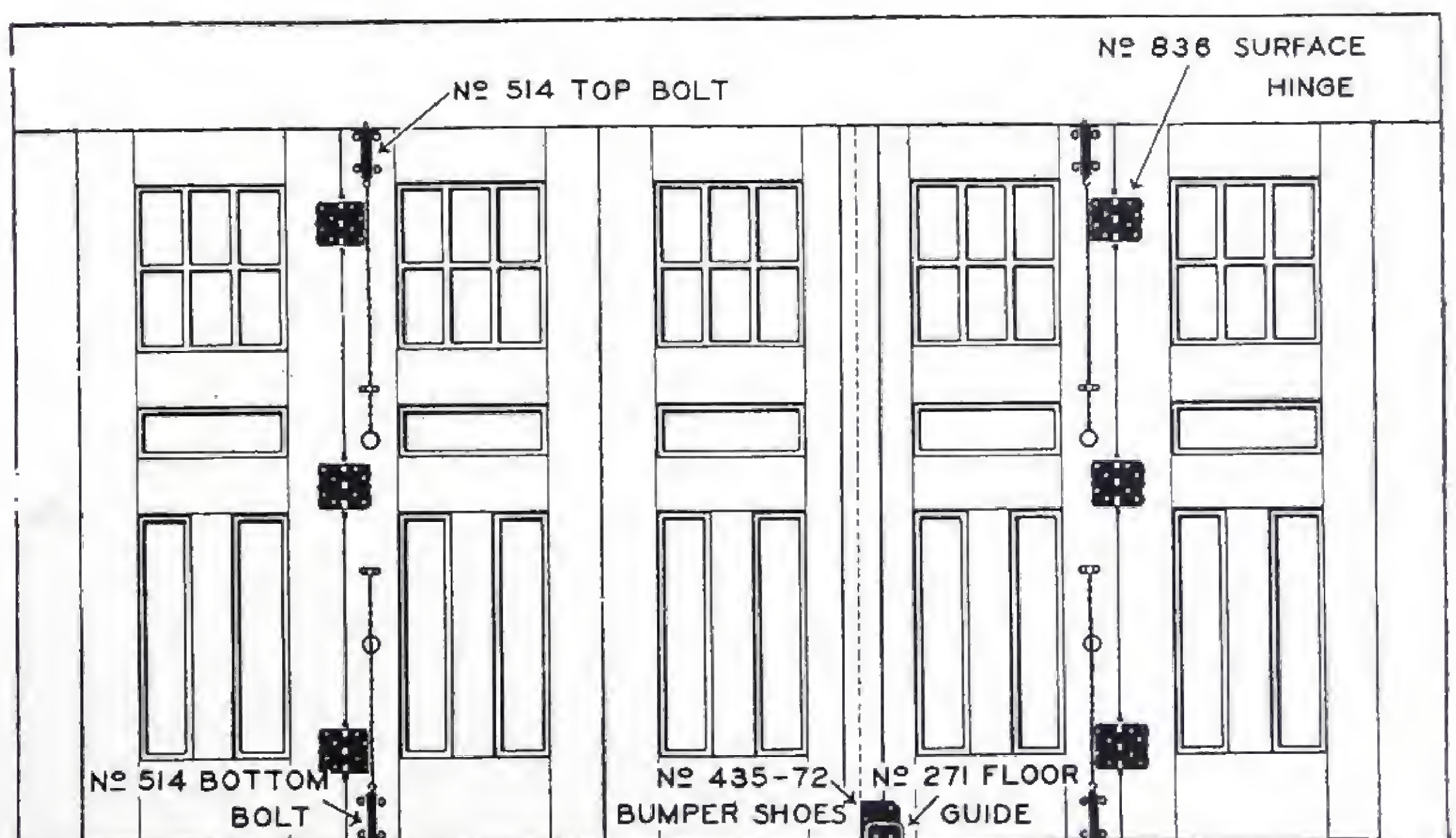


Fig. A-764—Interior View of above elevation showing proper location and names of 435 Parts as used on the inside of a 5-Door Opening Out Set. No. 414 Bolts are applied the same as are the 514 Bolts.

Slidetite

Patented

R-W No. 1035

Garage Door Heavy Hardware

2 to 10-Door Sets—Doors Opening In or Out



Figure A-765—Interior View. Doors Opening In. This Illustration shows a Four Track 8-Door 1035 Heavy Hardware Set.

Slidetite No. 1035 Equipment is an exceptionally efficient garage door hardware with extra heavy and extra long hinges supporting the doors at the jamb. It is designed to meet hard service conditions and is well adapted for use on buildings where the appearance of strength is an important part of the architectural scheme.

It is recommended especially for use on public garages or for private garages where the doors are extra high, extra heavy or where three or more doors fold to one side.

With Slidetite No. 1035 sets heavy Offset Hinges and extra long track brackets supplement the regular Slidetite No. 435 Butt Hinges and Brackets; otherwise the hardware is identical and the doors operate the same as shown on pages 2 to 29 of this catalog. Doors **must** be mounted flush with the jambs.

This hardware is designed to fold doors clear of opening in door-ways having 2 to 10-Doors in one opening, 8 to 30 feet wide.

Bracket Bolt Spacings are shown on pages 112 and 113.

In Ordering Be Sure To State Whether Hardware For Doors Opening In or Out is Desired.

When building conditions are such that it is inconvenient to satisfactorily attach No. 1035 Hinges to the jamb, No. 1036 Hinges (page 130) may be substituted. No. 1036 Hinges will throw the doors clear of the doorway when doors open parallel to front wall, but doors will not clear the door-way when open at right angles to front wall. No. 1036 Hinges are not furnished unless specified on order.

Slidetite

Patented

R-W No. 1035

Garage Door Heavy Hardware

2 to 10 Door Sets—Doors Opening In
or Out

CONTINUED

Fig. A-765A—Exterior View.
Doors Opening Out. Illustration
Shows a 6-Door 1035
Heavy Hardware Set.



List Price for Complete Sets (2 to 10-Door Sets) for Doors Opening In or Out

When Ordering Be Sure to State Whether Hardware for Doors Opening In or Out is Desired

	With No. 514 Top and Bottom Spring Bolts (Pg. 121)		With No. 514 Top Bolts and No. 524-1 Cane Bottom Bolts (Pg. 121)		With No. 414 Top and Bottom Self- Aligning Bolts (Pg. 119)		With No. 414 Top Bolts and No. 524-1 Cane Bot- Bolts (Pgs. 119, 121)		With No. 417 Top and Bottom Bolts For Doors up to 9' High (Pg. 118)		†With No. 517 Cremone Bolts Adjustable For Doors up to 9' High (Pg. 119)		†With No. 617 Cremone Bolts Adjustable For Doors up to 10' High (Pg. 120)		Short Sets Packed Complete in One Box Except That Tracks, Locks and Locking Bolts Are Omitted	
	List Price	Wt., Lbs.	List Price	Wt., Lbs.	List Price	Wt., Lbs.	List Price	Wt., Lbs.	List Price	Wt., Lbs.	List Price	Wt., Lbs.	List Price	Wt., Lbs.	List Price	Wt., Lbs.
2-Door Set, see pages 6-7																
3-Door Set, for opening 9' wide (See Plans on Page 9)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	\$20.00	93	\$20.00	94	\$20.50	95	\$20.25	95	\$21.40	97	\$23.60	101	\$27.50	103	\$16.00	61
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	27.30	122	27.30	123	27.80	124	27.50	124	29.20	125	31.40	129	35.30	131	22.70	83
With No. 33 Track—for doors weighing more than 200 lbs., each.....	30.50	142	30.50	143	31.00	144	30.75	144	32.90	147	35.10	150	39.00	152	24.80	86
One-Track 4 Door Set, for opening 12' wide (See Plans on Page 11)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	22.00	100	22.00	101	23.00	104	22.50	103	25.05	105	28.85	115	37.25	117	17.00	61
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	30.60	129	30.60	130	31.60	133	31.10	132	34.40	134	38.80	145	46.60	148	23.00	88
with No. 33 Track—for doors weighing more than 200 lbs., each.....	34.20	148	34.20	149	35.20	152	34.70	151	38.30	153	42.70	165	50.50	168	25.60	91
Two-Track 4-Door Set, for opening 12' wide (See Plans on Page 13)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	33.00	128	33.00	129	34.00	132	33.50	131	34.80	134	39.20	142	*47.00	144	25.00	106
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	51.50	179	51.50	181	52.50	183	52.00	183	55.30	186	59.70	194	*67.60	199	42.50	150
with No. 33 Track—for doors weighing more than 200 lbs., each.....	58.00	196	58.00	198	59.00	200	58.50	200	61.80	204	66.20	210	*74.00	215	47.00	159
5-Door Set, for opening 15' wide (See Plans on Page 15)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	36.50	134	36.50	135	37.50	138	37.00	137	38.80	140	42.20	148	50.00	150	29.00	108
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	54.50	189	54.50	191	55.50	193	55.00	193	59.30	197	63.70	206	71.50	209	45.50	158
with No. 33 Track—for doors weighing more than 200 lbs., each.....	61.00	206	61.00	208	62.00	210	61.50	210	65.80	214	70.20	226	78.00	229	51.60	166
6-Door Set, for opening 18' wide (See Plans on Page 17)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	40.00	138	40.00	140	41.25	144	40.75	143	43.20	150	49.80	161	61.50	166	30.00	106
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	55.50	194	55.50	197	56.75	200	56.25	200	61.70	207	68.30	214	80.00	220	46.50	163
with No. 33 Track—for doors weighing more than 200 lbs., each.....	62.00	214	62.00	217	63.25	220	62.75	220	68.20	227	74.80	238	86.50	244	52.60	175
7-Door Set, for opening 21' wide (See Plans on Page 19)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	63.00	212	63.00	215	64.25	218	63.75	218	69.20	225	75.80	235	87.50	242	49.00	150
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	84.00	294	84.00	297	85.25	300	84.75	300	90.20	307	96.80	317	108.50	323	62.00	240
with No. 33 Track—for doors weighing more than 200 lbs., each.....	96.00	320	96.00	322	97.25	326	96.75	325	102.20	332	108.80	343	120.50	349	68.00	264
Three-Track 8-Door Set, for opening 24' wide (See Plans on Page 21)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	64.30	218	64.30	222	66.30	226	65.30	226	72.60	237	81.40	250	97.00	257	49.00	151
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	85.30	309	85.30	313	87.30	317	86.30	317	93.60	325	102.40	341	118.00	348	62.00	243
with No. 33 Track—for doors weighing more than 200 lbs., each.....	97.30	344	97.30	348	99.30	352	98.30	352	105.60	363	114.40	376	130.00	383	68.00	267
Four-Track 8-Door Set, for opening 24' wide (See Plans on Page 23)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	87.00	275	87.00	279	89.00	283	88.00	283	93.60	294	102.40	305	*122.00	313	66.00	190
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	114.00	386	114.00	390	116.00	394	115.00	394	120.60	396	129.40	416	*149.00	424	82.00	272
with No. 33 Track—for doors weighing more than 200 lbs., each.....	131.00	419	131.00	423	133.00	427	132.00	427	137.60	435	146.40	449	*166.00	457	89.00	326
9-Door Set, for opening 27' wide (See Plans on Page 25)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	88.00	277	88.00	283	90.00	285	89.00	287	94.60	295	103.40	307	123.00	315	67.00	193
with No. 232 Track—for door weighing between 125-200 lbs., each.....	115.00	387	115.00	391	117.00	395	116.00	395	121.60	405	130.40	417	150.00	425	83.00	266
with No. 33 Track—for doors weighing more than 200 lbs., each.....	132.00	427	132.00	431	134.00	435	133.00	435	138.60	444	147.40	457	167.00	465	90.00	340
10-Door Set, for opening 30' wide (See Plans on Page 27)																
with No. 31 Track—for doors weighing up to 125 lbs., each.....	89.50	284	89.50	289	92.00	294	90.75	294	98.00	300	109.00	312	132.50	332	67.00	192
with No. 232 Track—for doors weighing between 125-200 lbs., each.....	116.50	412	116.50	416	119.00	422	117.75	421	125.00	430	136.00	450	159.50	460	83.00	281
with No. 33 Track—for doors weighing more than 200 lbs., each.....	133.50	438	133.50	444	136.00	448	134.75	449	142.00	462	153.00	476	176.50	486	90.00	343

Note—Sets include lag screws for attaching track brackets and hinge pintels. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.

Direction Sheet showing erecting details furnished with hardware.

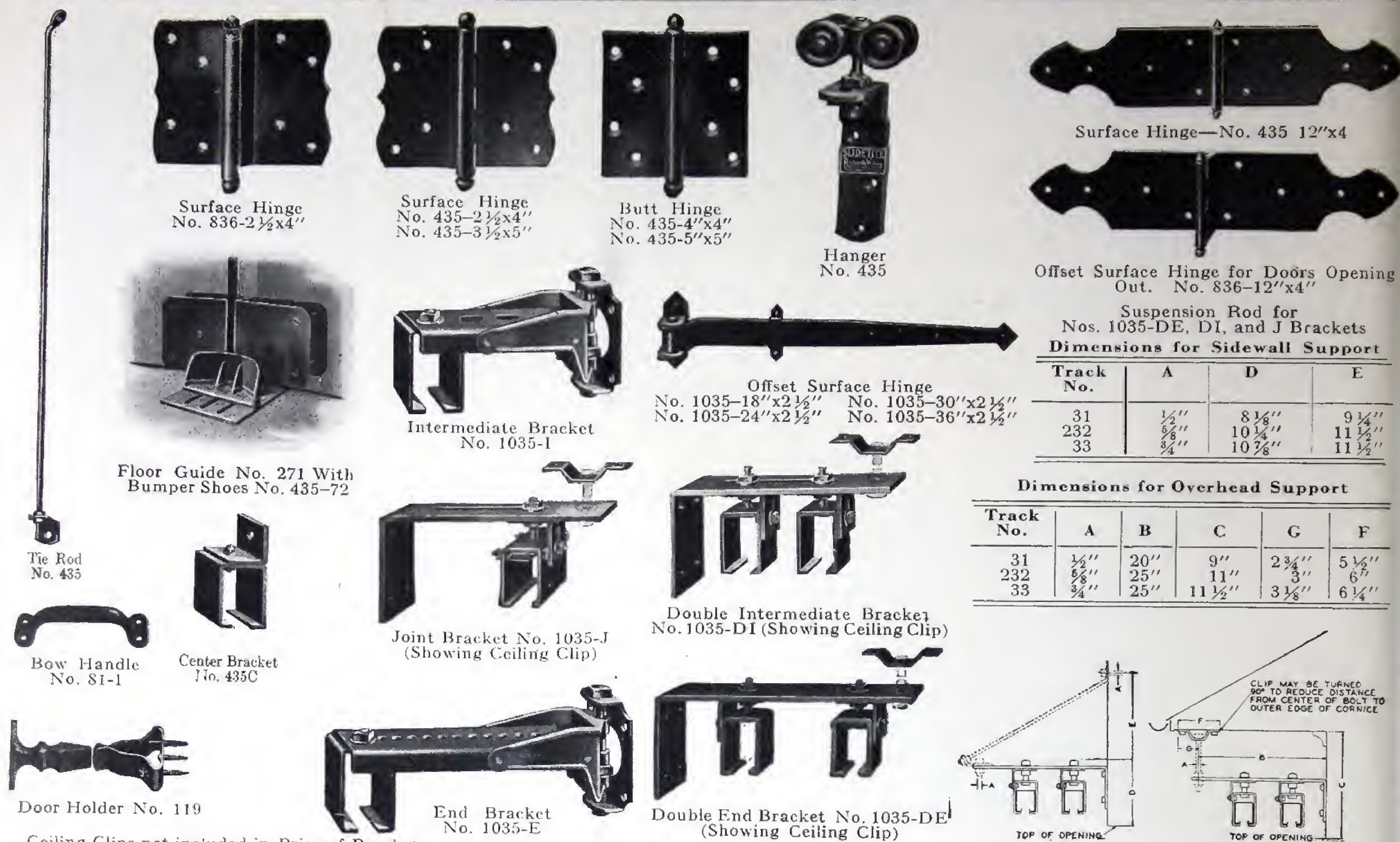
Directions for Ordering Complete Sets

State—Width and height of opening. Thickness of doors. Kind of Locking Bolts wanted.
Style of Trolley Track. State whether doors open in or out.

If Wicket Entrance Door is wanted see page 132 for details and prices of hardware.
*If No. 1125 Lock (page 120) is desired in addition add \$3.00 per set. Weight will be increased 4 lbs. per set.
†Is used on higher doors, extra sections listing at 80 cents each, are required for each bolt.

Example Order—One set 5-door "Slidetite" No. 1035, for opening 15 feet wide, 8 feet high, doors 2 1/4 inches thick, including No. 517-1 Top and Bottom Bolts and No. 31 style of track.

Discount



Ceiling Clips not included in Price of Brackets

Bracket Suspension Bolts not included in regular sets because lengths vary on individual installations

Detail of Hardware and List Price of Parts

See Preceding Page for List Prices for Complete Sets

DESCRIPTION	Light Weight Hdw. using No. 31 or No. 35 Track For Doors Weighing up to 125 lbs. each			Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 125-200 lbs. each			Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 200 lbs. each		
	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.
Hangers, Roller Bearing for In-Opening-Doors.....	*435-1	\$3.50	3 1/2	435-3	\$4.50	7 1/2	435-2	\$5.00	8
Hangers, Special Roller Bearing, for Out-Opening Doors (page 28) each....	**435-21	3.50	3 1/2	435-23	4.50	7 1/2	435-22	5.00	9
***Trolley Track, per foot.....	31 or 35	.30	1 1/2	232	.55	2 3/4	33	.70	4
Brackets, Center Track, each.....	435x31-C	.30	1	435x232-C	1.00	2 3/4	435x33-C	1.25	4 1/4
Brackets, End Track, each.....	1035x31-E	1.00	5	1035x232-E	4.00	14	1035x33-E	4.50	16
Brackets, Intermediate Track, each.....	1035x31-I	.70	3	1035x232-I	3.25	9 1/2	1035x33-I	4.25	11
Brackets, Double End, each.....	1035x31-DE	4.00	13 1/4	1035x232-DE	6.35	19	1035x33-DE	7.25	24
Brackets, Double Intermediate, each....	1035x31-DI	3.80	12	1035x232-DI	5.75	16	1035x33-DI	6.15	21
Brackets, Joint, each.....	1035x31-J	4.80	12	1035x232-J	7.25	11	1035x33-J	8.25	14
Ceiling Clips, each.....	435x31-CC	.20	1/2	435x232-CC	.24	1	435x33-CC	.30	1
Hinges, Surface (page 129), per pair....	435-2 1/2"x4"	.80	1 1/2	435-12"x4"	2.20	8 3/4	435-12"x4"	2.20	8 3/4
Hinges, Offset Surface (page 130):	1035	4.00	12	1035	4.00	12	1035	4.00	12
18"x2 1/2" per pair.....	1035	4.50	14	1035	4.50	14	1035	4.50	14
24"x2 1/2" per pair.....	1035	5.00	16	1035	5.00	16	1035	5.00	16
30"x2 1/2" per pair.....	1035	5.50	18	1035	5.50	18	1035	5.50	18
38"x2 1/2" per pair.....	1035	5.50	18	1035	5.50	18	1035	5.50	18
Hinges, Surface (page 129), per pair....	836-2 1/2"x4"	1.00	2	836-12"x4"	3.00	9 1/4	836-12"x4"	3.00	9 1/4
Hinges, Butt (page 128), per pair.....	435-4"x4"	.60	1 1/2	435-5"x5"	1.00	2	435-5"x5"	1.00	2
Bow Handles (page 125), each.....	81-1	.35	1/2	81-2	.55	1	81-2	.55	1
Center Floor Guides (page 126), each....	271	.96	2 1/4	271	.96	2 1/4	271	.96	2 1/4
Bumper Shoes (page 126), each.....	435-72	.14	1/8	435-72	.14	1/8	435-72	.14	1/8
Door Holders, each.....	119	.15	1/4	119	.15	1/4	119	.15	1/4
Tie Rods for Doors:									
23" to 29" wide (page 118), each.....	435-11	1.30	2	435-11	1.30	2	435-11	1.30	2
30" to 36" wide (page 118), each.....	435-12	1.50	2	435-12	1.50	2	435-12	1.50	2
37" to 42" wide (page 118), each.....	435-13	1.70	4	435-13	1.70	4	435-13	1.70	4
43" to 48" wide (page 118), each.....	435-14	1.90	4	435-14	1.90	4	435-14	1.90	4

*When using No. 35 Track specify No. 435-4.

**When using No. 35 Track, specify No. 435-14.

***Length of pieces determined by size of opening.

†Only used where there is a series of three or more doors hinged together.

List Prices for Complete Sets Shown on Preceding Page

No. 1035 Hanger and Bracket Sets for No. 31 Track

These sets are intended for such of our dealers who carry all hardware necessary for No. 1035 Garage Door Sets in stock with the exception of

Hangers and Brackets. Hanger and Brackets as listed below come packed in metal edged carton. A set consists of 1 No. 435-1 Hanger, 1 No. 1035x31-I Bracket, 1 No. 1035x31-E Bracket, 1 No. 435x31-C Bracket, with screws and bolts for erecting. Set is suitable for 3-door and one-track 4-door equipments. For two-track 4-door, 5 and 6-door outfits use two sets. Weight, per set, 14 lbs.

List Price No. 1035 Hanger and Bracket Set, each.....\$5.50

Discount.....

Slidetite Heavy Substantial Hardware for Patented Industrial or Community Garages

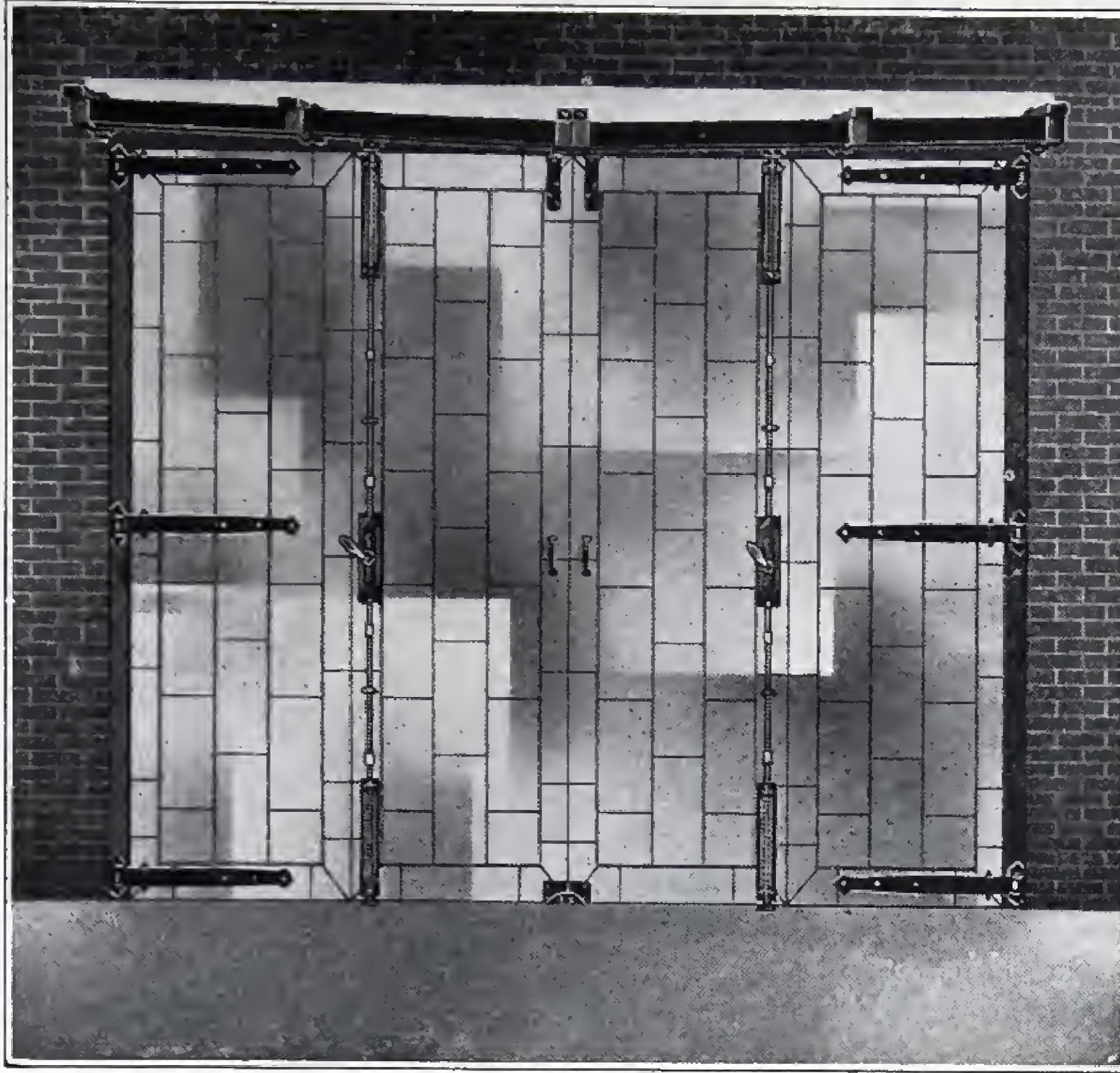


Fig. A-766—No. 1035 Heavy Hardware Applied to Tin-Clad Fire Doors

We Manufacture Tin Clad Fire Doors
Prices Upon Application

Where industrial doorways are subjected to exterior fire hazards, such as proximity to frame buildings or other inflammable material, Slidetite Hardware can be applied to 2 or 3-ply Tin Clad Fire Doors. When this is the case, we recommend that No. 33 Trolley Track be used.

This strong, sturdy, fire retardent assembly permits the doors to be opened easily and as often as desired. In case of fire, if the doors are open, they will not be closed automatically by the action of fusible links, as regulation fire doors would be. The above assembly is Not Approved by the National Board of Fire Underwriters.

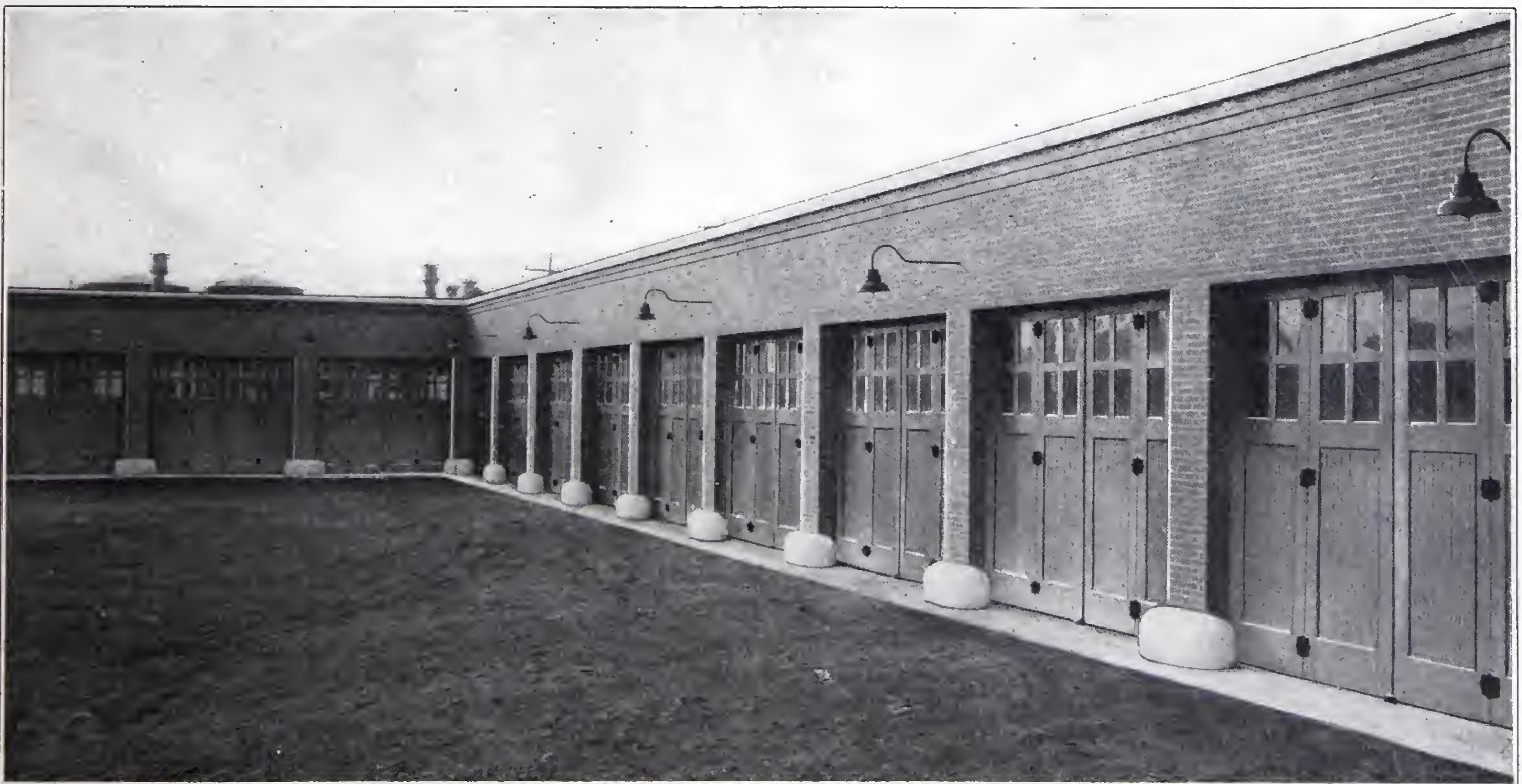


Fig. A-767—Slidetite Hardware is Often Used Upon Industrial or Community Garage Doors.

For industrial or community garage doors any of the following hardware is applicable, viz: Slidetite No. 435 Garage Door Hardware as shown on pages 2 to 29.

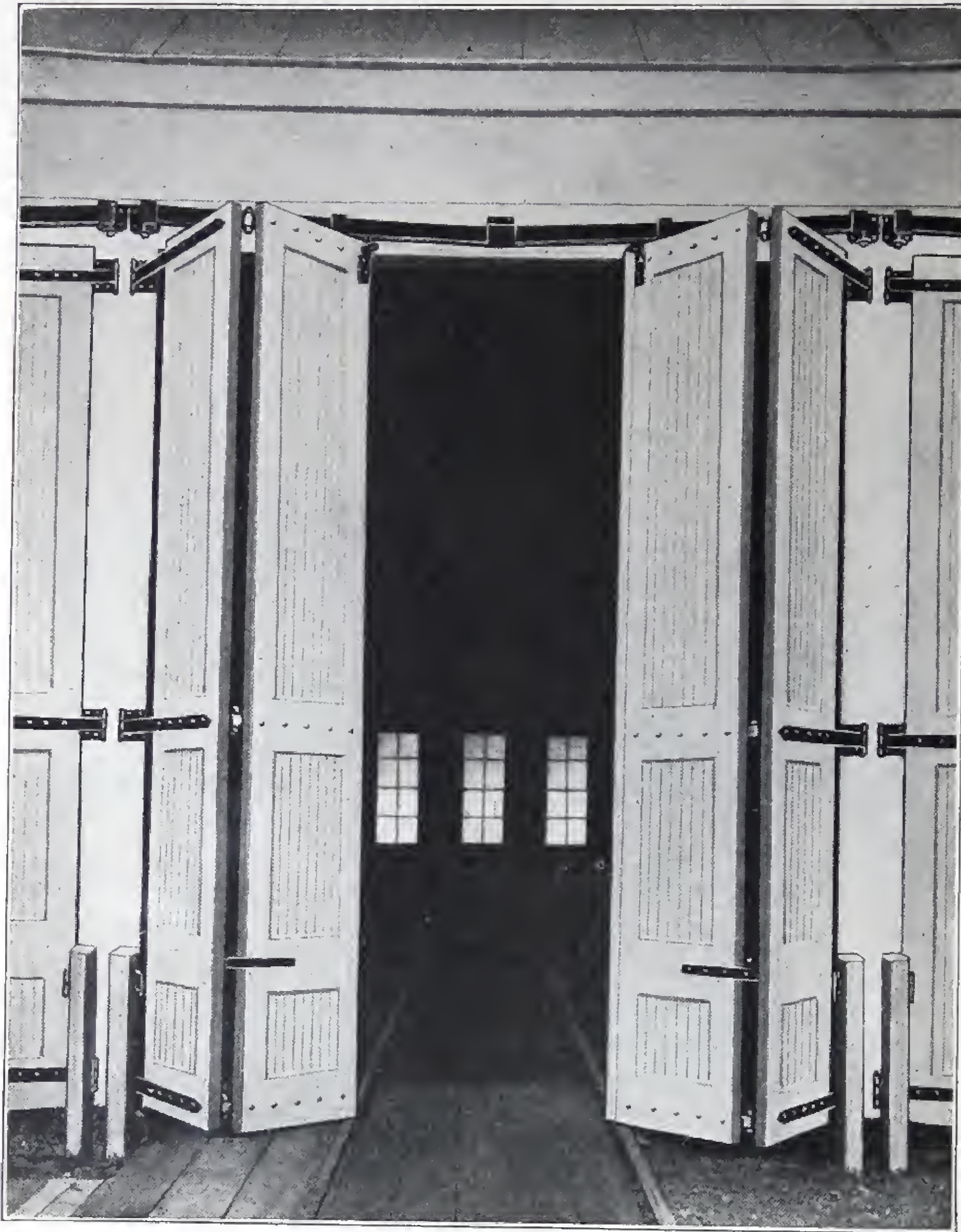
Slidetite No. 1035 Garage Door Hardware as shown on pages 30 to 32; and Slidetite No. 1235 Garage Door Hardware as shown on pages 38 and 39.

Slidetite For Heavy Industrial Doors

Patented

CONTINUED

R-W
No. 434
Extra
Heavy
Hardware



Designed
for
Very Large
and
Heavy Doors

Fig. A-767—Hardware Equally Well Suited for Wood or Steel Doors.

The R-W No. 434 Hardware consists of hangers, tracks, brackets, hinges, locking bolts and hold open latches. When wicket doors are used, hinges and latch are furnished for the same.

The hangers and track brackets are the Nos. 435x33 and 1035x33 illustrated on page 5. The track is our No. 33 made of No. 13 gauge steel, shown in full size on page 110.

The jamb hinges consist of a strap made of $\frac{3}{8}$ by $2\frac{1}{2}$ inch steel which extends entirely across the door. The double eye pintle has a $\frac{3}{4}$ inch diameter pin. When mounting on minimum width columns, the pintles must be recessed into the column. The two doors of each pair are connected together by heavy double strap hinges made of $\frac{3}{8}$ inch by $2\frac{1}{2}$ inch steel with knuckles 5 inches wide. The bolt holes in one leaf of the double strap hinges are made to correspond with the bolt holes in the strap of the jamb hinge. These two hinge leaves are placed on opposite sides of the door nearest the jamb and are bolted together with bolts through the door, in that way forming a continuous hinge from the jamb to the center of the opening.

This hardware can be applied to doors opening either In or Out

List Price for 4-Door Sets

No. 434 Hardware complete with three sets of hinges, weight 725 lbs., per set	\$100.00
No. 434 Hardware complete with four sets of hinges, weight 850 lbs., per set	125.00
No. 434 Wicket Door Hardware only, weight 20 lbs., per set	5.00

Discount

Ordinarily three sets of hinges are sufficient but very heavy doors may require four sets of hinges.

Large cane bolts operating horizontally with guides and keeper plates are furnished for each pair of doors. The cane bolts slide across the hinged joint of the pair of doors holding them rigid in the same plane and preventing folding.

A hold open latch bar is attached to the outside of one door of each pair. The hold open latch is attached to a post or a section of rail set in the ground as illustrated. The latch cannot be accidentally released but holds doors positively until manually released.

A pair of heavy tee hinges and a heavy warehouse door latch are furnished for wicket doors when so ordered.

Our blue prints should be consulted before building the doors.

In ordering state width and height of opening, thickness of doors, state if doors are wood or metal and describe construction, describe jambs, send detail drawings if possible. All doors in an opening must be of equal width.

Slidetite for Heavy Industrial Doors

Patented

CONTINUED

R-W
No. 1035
Hardware

Practical
Satisfactory
Economical



Figure A-768—This is a 1035x33—6-Door Installation

The biggest of doors are easy to handle when hung on Slidetite No. 1035 Industrial Door Hardware.

The doors are narrow, presenting only half as much area to the wind as the ordinary pairs of hinged doors. They cannot be easily blown about by the wind.

Doors of extra large size are frequently necessary in industrial plants. While it is comparatively simple to construct big doors, it is a real problem to hang them satisfactorily and permanently.

“Slidetite” Industrial Door Hardware has successfully solved this problem in numerous instances. A typical “Slidetite” installation of this kind is that at

the J. A. Torstensen Company, Chicago, shown in the illustration above. The doors are 21 feet high to permit trucks loaded with large lights of plate glass to pass through. These doors move smoothly and easily in spite of their great height and bulk.

Doors hung on “Slidetite” slide and fold completely out of the way, leaving an unobstructed opening up to 30 feet wide if necessary. Require no tinkering as they never sag or bind. Easy to open, even in a high wind, and cannot possibly slam shut. Close tight, snug and secure.

When ordering be sure to state whether hardware is for doors opening inside or outside of the opening.

See Page 32 for List Prices of Parts

Slidetite "Ideal" R-W No. 1135 Garage Door Hardware

Patented

The
Last Word
in
Garage Door
Hardware



For
2 to 10 Doors
in One Opening
For Doorways
8 to 30 Feet Wide

Fig. A-769—Interior View, two car garage.

"Slidetite-Ideal" No. 1135 Equipment is designed, as its name signifies, for installations where it is desired to achieve a particularly classy combination of effects, such as the garage doorway of an aristocratic estate.

In "Slidetite-Ideal" No. 1135 Equipment the well-known "Ideal" Ball-Bearing Hangers and track take the place of the regular No. 435 as shown on pages 2 to 27 of this book. The equipment includes R-W No. 617 Adjustable Cremone Locking Bolts, R-W No. 1035 Offset Hinges. Installations may be made with regular No. 435 Butts in place of the No. 1035 Offset hinges if desired.

The door hanger unit of "Slidetite-Ideal" Equipment (well-known as Richards-Wilcox "Ideal" Hardware) embodies, because of its scientific construction, a maximum of perfect principles. The door hangs from a wide rider-bar, rolling over steel balls, which in turn, roll along a carefully milled track groove. Friction is eliminated,

and at the same time the rider-bar travels at twice the speed of the balls. A ball retainer keeps the steel balls always properly spaced.

This ball bearing design provides a hanger which operates with exceptional smoothness and ease, and the combination of "Ideal" track with the "Slidetite" design, produces in "Slidetite-Ideal" hardware, an equipment that is perfection itself.

Figure A-770 which shows a close-up view of the hanger, track and bracket assembly, gives a clear idea of the construction and operation of this ball-bearing device. The track is a rectangular shaped tube made of very heavy gauge steel, drawn to form two parallel runways for steel balls, upon which the hanger rolls.

The general arrangement of the doors and the hardware coincide with that of the regular "Slidetite" No. 435 sets as shown on pages 2 to 27.

List Price of 3 to 10-Door Sets

Equipment Complete, Including Hangers, Track and Brackets, with all Bolts and Screws Necessary to Erect

Number of Doors and Size of Opening	Complete Sets With No. 1035 Offset Hinges, and 617 Adjustable Cremone Bolts (pg. 120)		Hanger, Track and Bracket Assembly Only	
	List Price	Shipping Weight, lbs.	List Price	Shipping Weight, lbs.
2-Door Set—Opening not to exceed 8' wide (page 7).....	\$45.50	83	\$19.80	36
3-Door Set—Opening not to exceed 9' wide (page 9).....	41.50	76	15.80	28
1-Track, 4-Door Set—Opening not to exceed 12' wide (page 11).....	52.00	98	15.80	28
2-Track, 4-Door Set—Opening not to exceed 12' wide (page 13).....	71.00	146	32.00	56
5-Door Set—Opening not to exceed 15' wide (page 15).....	75.00	157	32.00	56
6-Door Set—Opening not to exceed 18' wide (page 17).....	85.50	165	32.00	56
7-Door Set—Opening not to exceed 21' wide (page 19).....	140.00	250	65.00	110
3-Track, 8-Door Set—Opening not to exceed 24' wide (page 21).....	151.00	265	65.00	110
4-Track, 8-Door Set—Opening not to exceed 24' wide (page 23).....	191.00	338	95.00	164
9-Door Set—Opening not to exceed 27' wide (page 25).....	193.00	340	95.00	164
10-Door Set—Opening not to exceed 30' wide (page 27).....	203.00	355	95.00	164

Note—Knob Lock for entrance door not included in above sets (see page 116). Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.

Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering

State—Type and Style of Hardware. Width and height of opening. Style of Hinge wanted. Thickness of doors. Whether doors open inside or outside of garage and number of doors in opening. If three door or one track four door, specify whether right of left hand. Hand is determined by direction in which doors open when facing the doors from the working side.

Example Order—One set, five-door "Slidetite-Ideal" for opening 15 feet wide, 8 feet high, with No. 1035 Offset Hinge. Doors 1 3/4 inches thick.

Discount.....

Slidetite "Ideal"

Patented

R-W No 1135 Garage Door Hardware



Fig. A-770—"Slidetite-Ideal" hanger, track and bracket assembly, illustrating operation of rider bar and steel balls running in milled groove of track and also showing the relation of the center and intermediate adjustable brackets to the track.



119 Door Holder


No. 435 Surface Hinge
2 1/2"x4"; 3 1/2"x5"

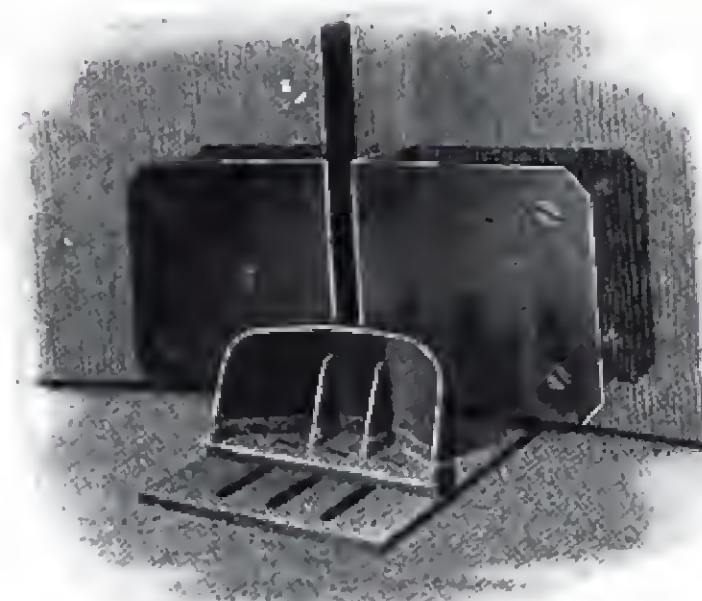
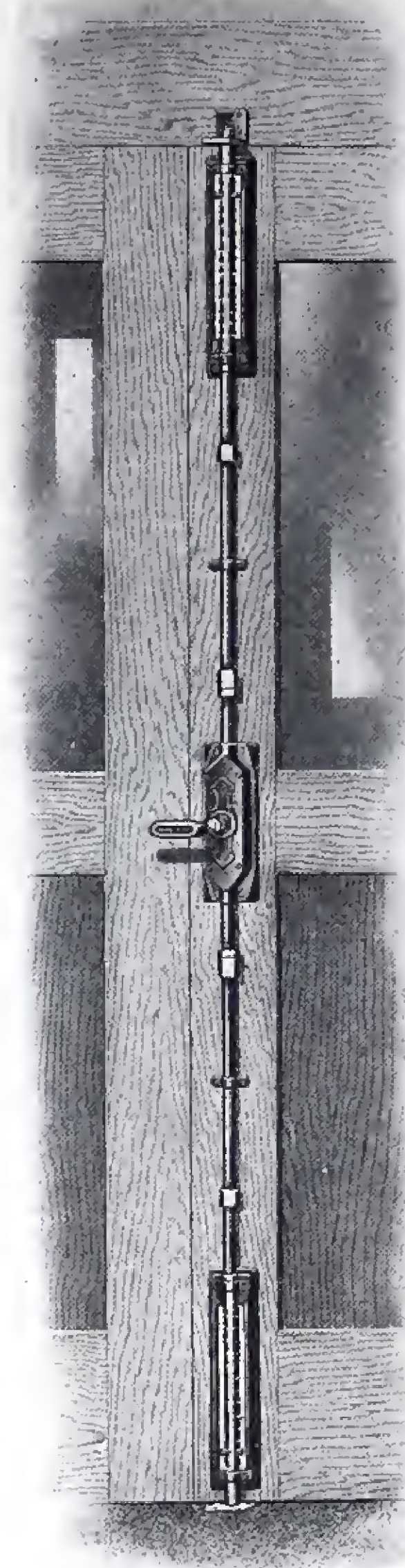
No. 435 Butt Hinge
4"x4"; 5"x5"

R-W No. 1035
Heavy Offset Hinge with Surface Pintle
18"x2 1/2"; 24"x2 1/2"; 30"x2 1/2"


No. 435 Tie Rod



No. 81 Bow Handle


No. 271 Adjustable Floor Guide
with No. 435-72 Steel Bumper Shoe.


R-W No. 617 Cremone Bolt

Detail of Hardware and List Price of Parts

Exclusive of Hanger, Track and Bracket Assemblies, Listed on Preceding Page

DESCRIPTION	Catalog Number	List Price	Shipping Wt., lbs.	DESCRIPTION	Catalog Number	List Price	Shipping Wt., lbs.
Bow Handles (page 125), each.....	81-1	\$.35	1/2	Hinges, Offset Surface (page 130), per pair.....	1035-30"x2 1/2"	\$5.00	18
Center Floor Guides (page 126), each..	271	.96	3	Cremone Bolts, adjustable for doors up to 10' High, each.....	617	9.50	14 1/2
Bumper Shoes (page 126), each.....	435-72	.14	1/3	Door Holder, each.....	119	.24	1/4
Hinges, Surface (page 129), per pair....	435-2 1/2"x4"	.80	1 1/2	*Tie Rods for doors 23" to 29" wide (page 118), complete.....	435-1	1.30	1 1/2
Hinges, Surface (page 129), per pair....	435-3 1/2"x5"	1.40	4 1/2	*Tie Rods for doors 30" to 36" wide (page 118), complete.....	435-2	1.50	1 1/2
Hinges, Butt (page 128), per pair.....	435-4"x4"	.60	1 1/2				
Hinges, Butt (page 128), per pair.....	435-5"x5"	1.00	1 1/2				
Hinges, Offset Surface (page 130), per pair.....	1035-18"x2 1/2"	4.00	12				
Hinges, Offset Surface (page 130), per pair.....	1035-24"x2 1/2"	4.50	14				

*Only used where there is a series of three or more doors hinged together.

Discount.....

Slidetite

Patented

R-W No. 1235

Garage Door Hardware

Hardware Sets for Exceptionally Heavy Sliding Folding Doors More Than Three Feet Wide

This equipment handles two big doors hinged together, one door hinged to the jamb and supported at its outer edge by circular trolley track; the other door supported at its outer edge by a straight trolley track with compound curve, attached to front wall.



Trolley Track Compound Curve
31CC, 232CC or 33CC

The doorway may be furnished with a pair of doors operating from one jamb, or a pair of doors operating from each jamb, as illustrated on the opposite page. Three weights of track, brackets and hangers as set forth in the table below, give ample range of doorway sizes and weights of doors.

Detail of Hardware and List Price of Parts for One Pair of Doors

If desired for two pairs of doors, twice the amount of hardware is necessary

Quantity of Hardware Required for One Pair of Doors	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 250 lbs. each			Medium Weight Hdw. using No. 232 Track For Doors Weighing between 250-400 lbs. each			Heavy Weight Hdw. using No. 33 Track For Doors Weighing More Than 400 lbs. each		
	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.
1 Hanger, Knuckle Joint, for curved track, each.....	435-11-KJ	\$6.00	9	435-13-KJ	\$9.00	12	435-12-KJ	\$9.50	12
1 Hanger, Knuckle Joint, for straight track, each.....	435-1-KJ	3.00	3 1/2	435-3-KJ	6.00	7 1/2	435-2-KJ	6.50	7 1/2
*Trolley Track, Straight (page 110), per foot.....	31	.30	1 3/4	232	.55	2 3/4	33	.70	4
**Trolley Track, Curved (page 110), per foot.....	31-CT	1.90	1 3/4	232-CT	1.80	2 1/2	33-CT	2.00	3
**Trolley Track, Compound Curve (page 110), each.....	31-CC	8.00	3	232-CC	9.00	5	33-CC	10.00	6
1 Bracket, End Track (page 107), each.....	2x31	.26	1	2x232	.55	2	2x33	.75	2 3/4
a*Bracket, Center Track (page 107), each.....	1x31	.26	1	1x232	.55	2	1x33	.75	2 3/4
a*Brackets, Cross Ear Ceiling Center (page 107), each.....	5x31	.26	1 1/2	5x232	.55	2 1/4	5x33	.75	4
1 Bracket, Cross Ear Ceiling End, (page 107), each.....	6x31	.26	1 1/2	6x232	.55	2 1/4	6x33	.75	4 1/2
1 Bracket, Extension End, each.....	1235x31-E	1.50	4	1235x232-E	2.30	6 1/2	1235x33-E	2.70	9
a*Brackets, Extension Center, each.....	1235x31-C	1.50	4	1235x232-C	2.30	6 1/2	1235x33-C	2.70	9
2 Bow Handles (page 125), each.....	81-1	.35	1/2	81-2	.55	1	81-2	.55	1
a**1 1/2 Pr. Hinges, Heavy Offset (page 130), per pair.....	1035-30"x2 1/2"	5.00	16	1035-30"x2 1/2"	5.00	16	1035-30"x2 1/2"	5.00	16
a***1 1/2 Pr. Hinges, Surface (page 129), per pair.....	435-12"x4"	2.20	10 1/2	435-12"x4"	2.20	10 1/2	435-12"x4"	2.20	10 1/2
a****1 Floor End Stop (page 126), each.....	272	.85	3	272	.85	3	272	.85	3
a*****1 Adjustable Floor Center Door Guide (page 126), each.....	271	.96	3	271	.96	3	271	.96	3
2 Bumper Shoes (page 126), each.....	435-72	.14	1/8	435-72	.14	1/8	435-72	.14	1/8
1 Cane Bottom Bolt (page 121).....	524-2	1.20	4 1/2	524-2	1.20	4 1/2	524-2	1.20	4 1/2

Notes—*Length required equals approximately width of two doors. **Made to suit requirements, see plans on next page. a*Quantity depends upon the amount of track used. Brackets should be spaced on two foot centers. a** For doors over 10' high, use two pairs of No. 1035 Hinges.

a***For doors over 10' high, use two pairs of No. 435 Hinges. a****To be used only with One Pair of Doors equipment. a*****To be used only with Four Door equipment.

Detail of Hardware and List of Parts for Two Pair of Doors

Illustrations on next page show installations details

Four Door Sets require just twice the amount of hardware as used for one pair of Door Sets, with the exception of Floor Guides (See Notes a**** and a*****above.)

For hardware required for One Pair of Doors see above table.

Important

Always send sketch showing width of doors, thickness of doors, to which side doors fold, and position of doors when open, so that the correct amount of curve track can be furnished.

Discount.....

Slidetite R-W No. 1235 Garage Door Hardware CONTINUED

Patented

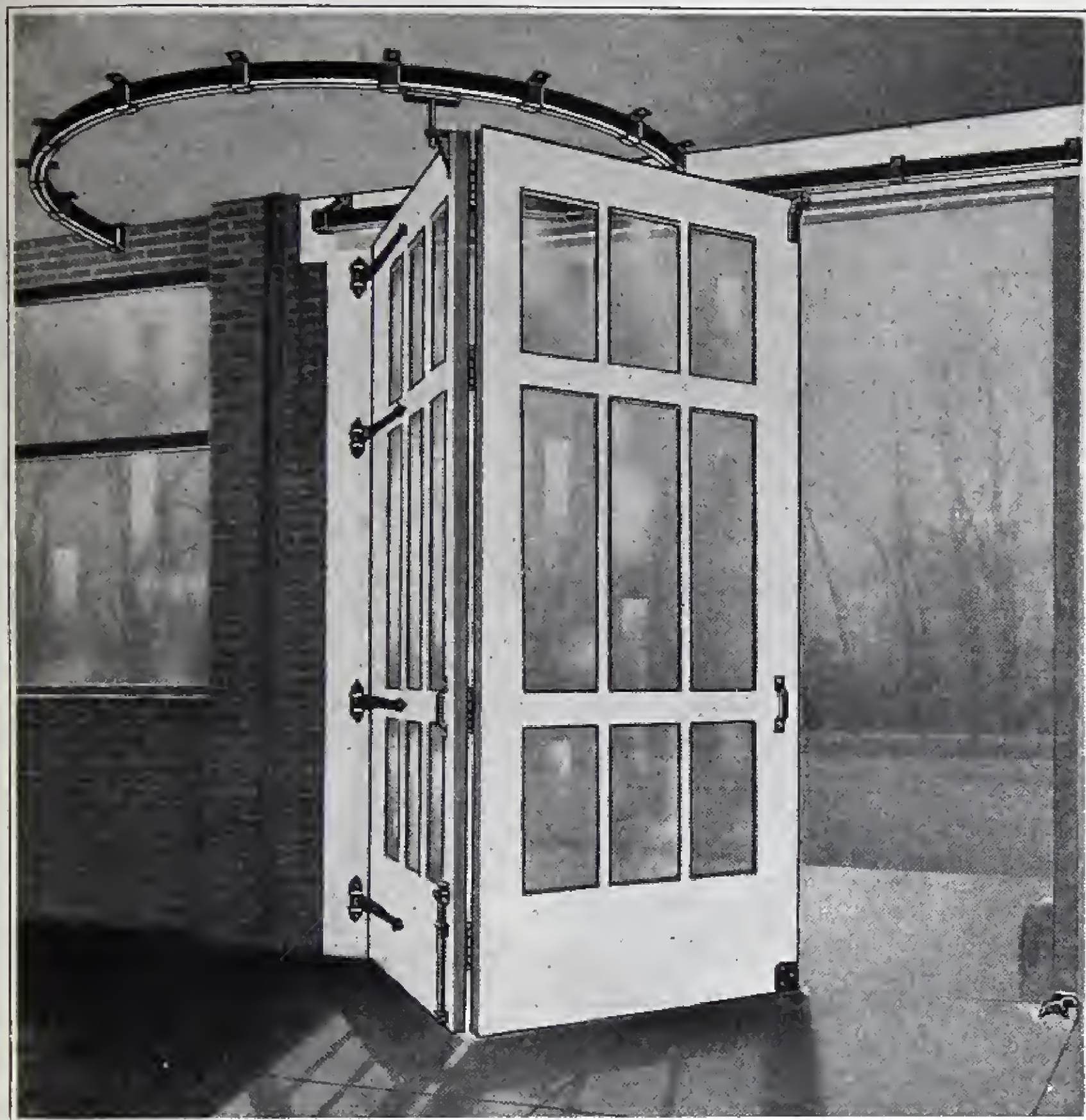


Fig. A-771—One Pair of Doors Partly Open

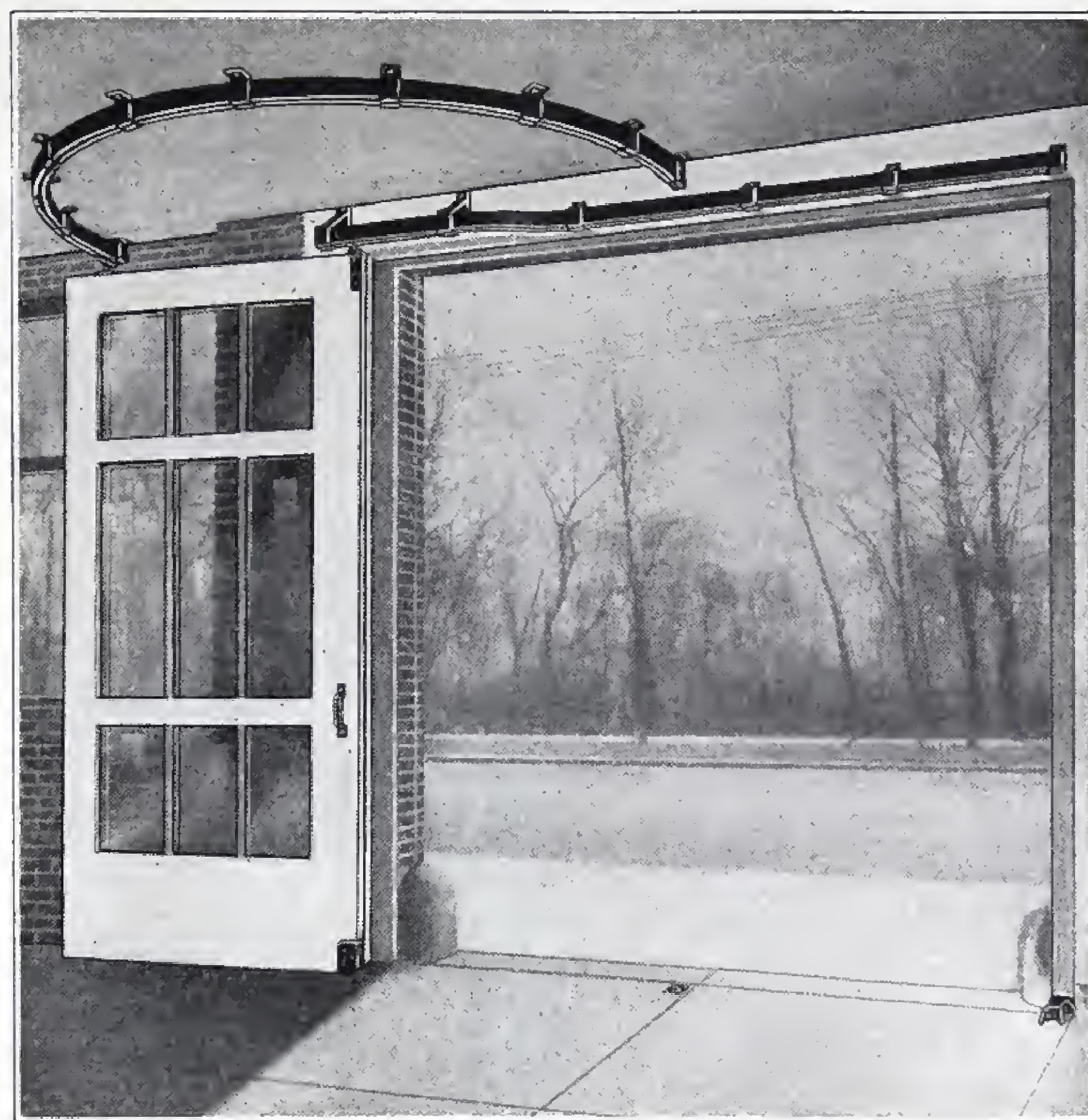


Fig. A-772—Doors over 10 ft. high require four Butt Hinges

Desirable for Public or Industrial Garages Where Extra Heavy or Extra Wide Doors are Advisable

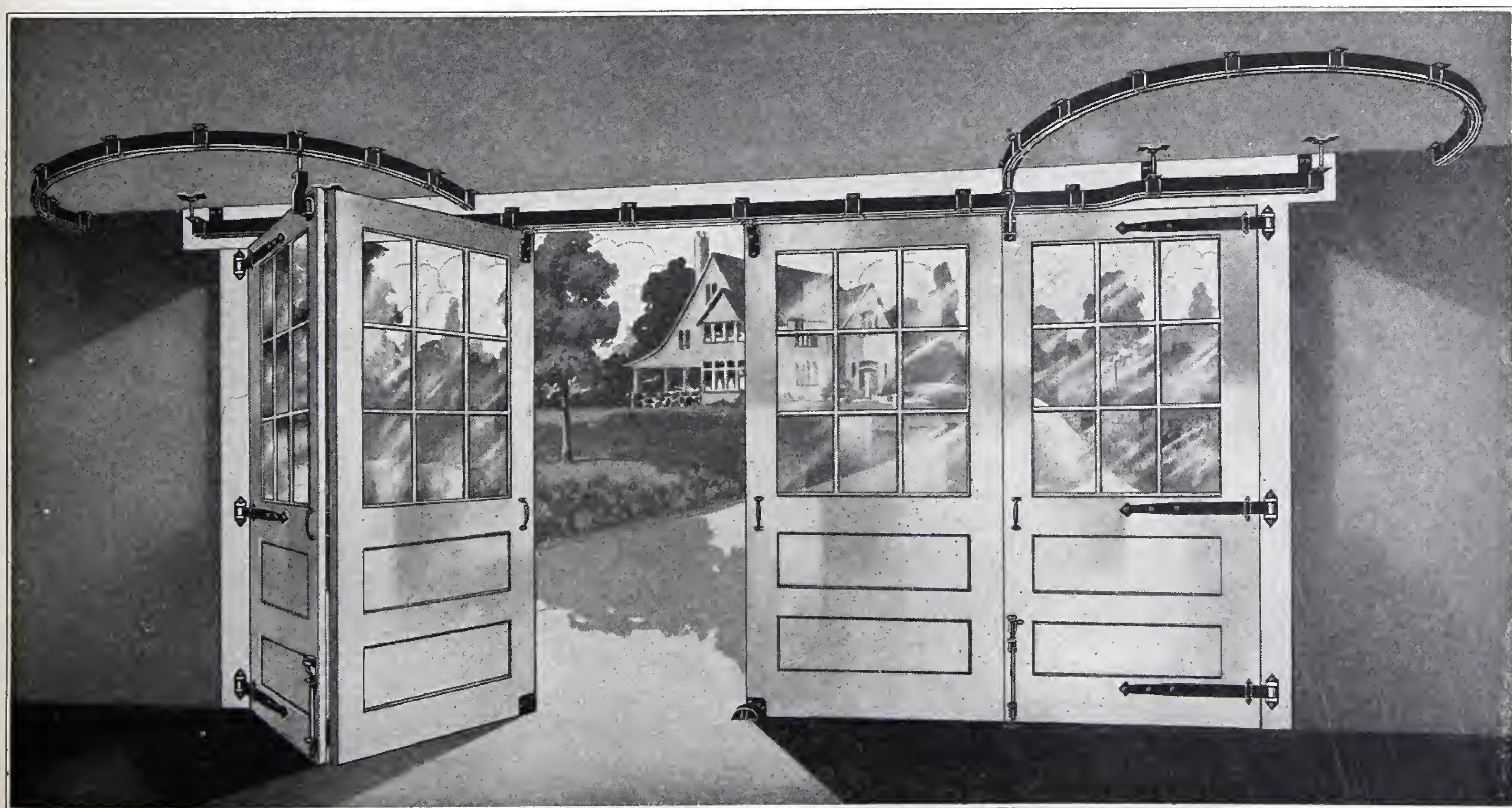


Fig. A-773—A Pair of Heavy Doors Operating from Each Jamb
Strong, Sturdy, Easy Operating Equipment

R-W No. 436

Garage Door Equipment

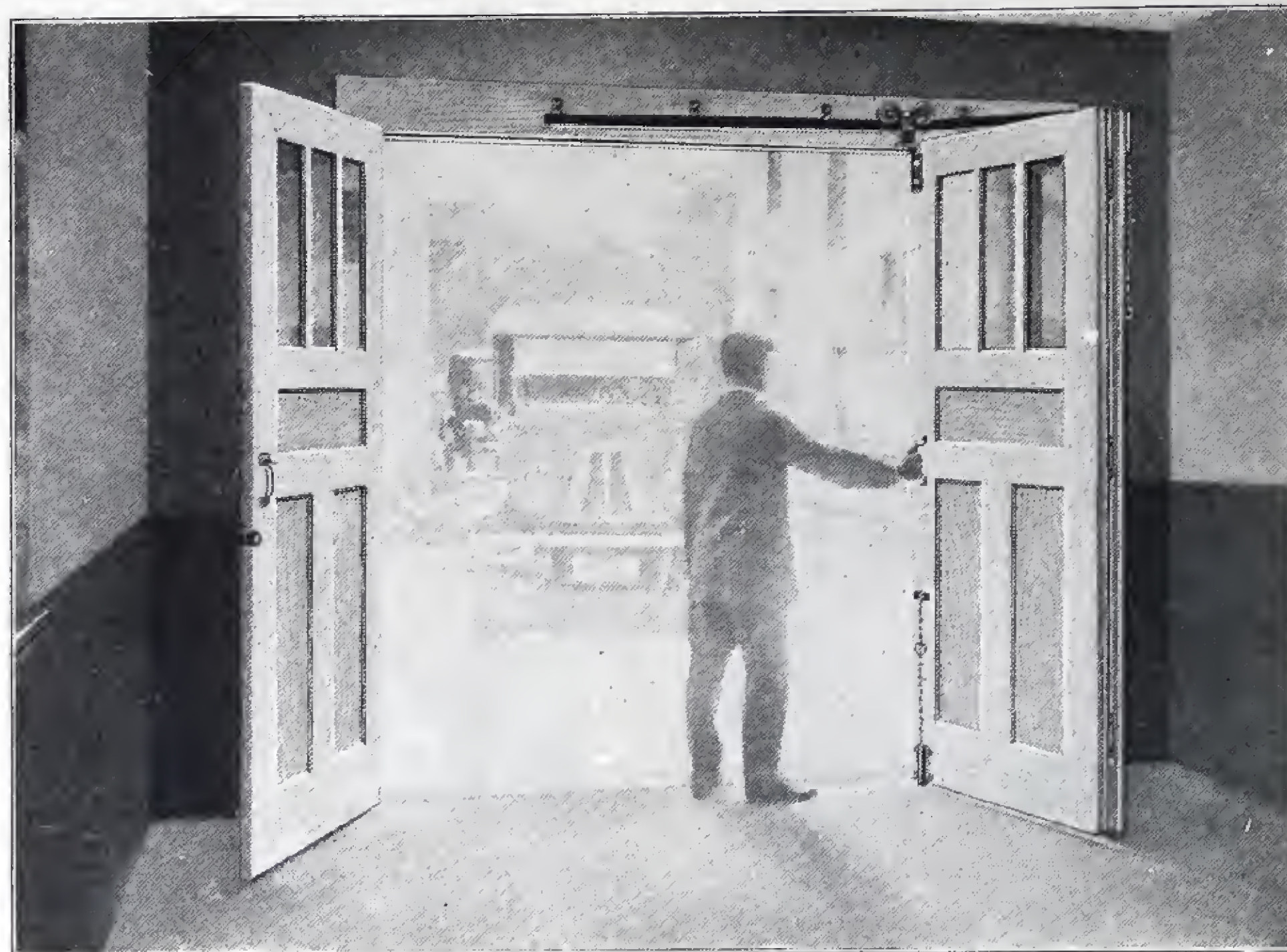


Fig. A-774—Doorway Equipped with No. 436 Fixtures

The drawings on the next page give complete instructions regarding the installation of this hardware.

The doors slide and fold inside the building, and when open take up very little space.

This equipment will handle any three-door opening which is not more than nine feet in width. The single door which is hinged to the jamb can be used as an entrance door, thus saving the expense of having a separate entrance door in one of the side walls. The doors fit perfectly tight and are weather-proof. The hanger and track, being installed on the inside of the garage, are not subject to weather, birds' nests, etc., and operate easily and quietly. No snow and ice has to be shoveled before the garage doors can be opened.

A Set of Fixtures Contains the Following Hardware:

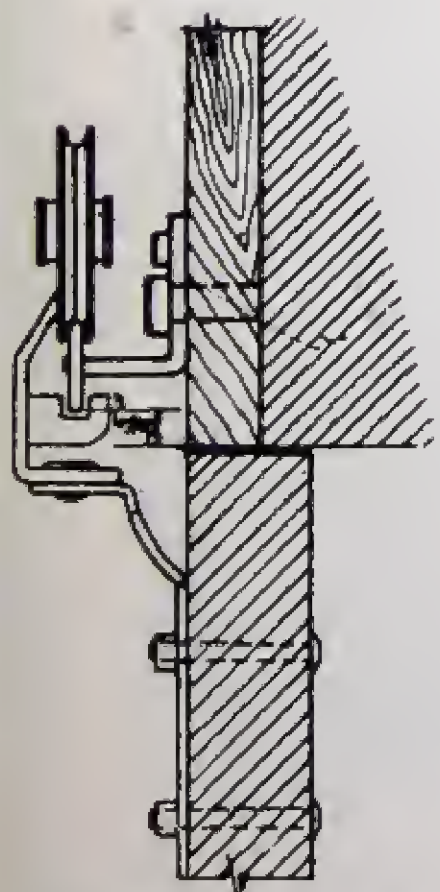
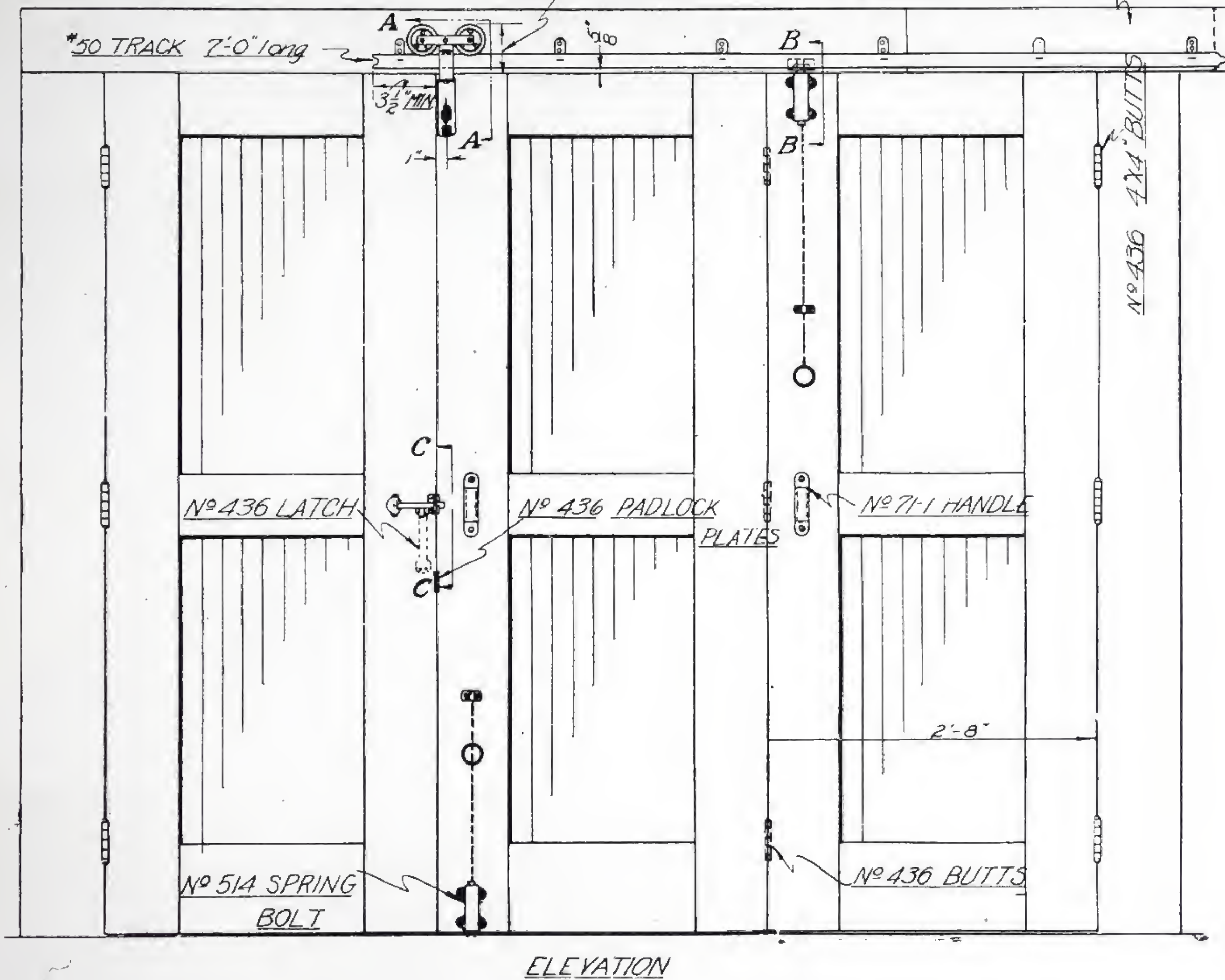
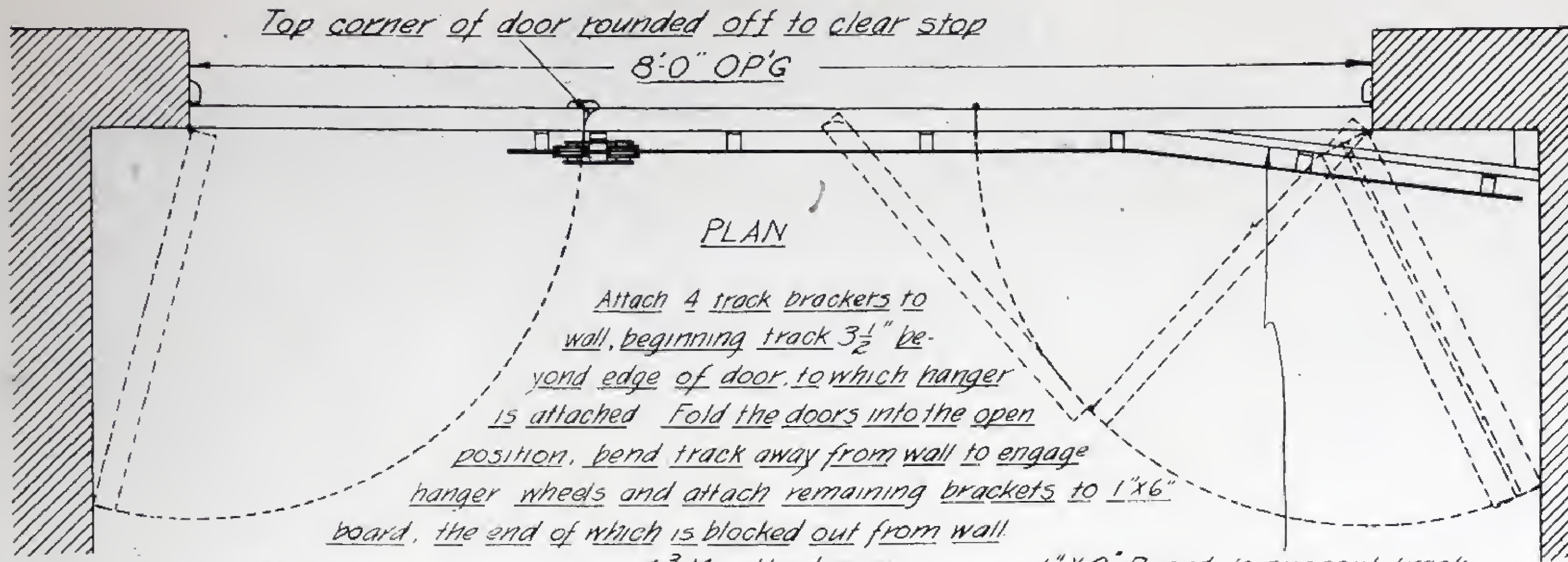
- | | |
|--|---------------------------------|
| 1 only No. 436 Hanger. | 1 No. 436 Latch. |
| 1 Piece Flat Track with Brackets. (7') | 2 No. 436 Padlock Plates. |
| 4½ Pairs No. 436 Butt Hinges. | 2 No. 71-1 Bow Handles. |
| 1 No. 514 Top Bolt. | Screws and Bolts for attaching. |
| 1 No. 514 Bottom Bolt. | |

List Price

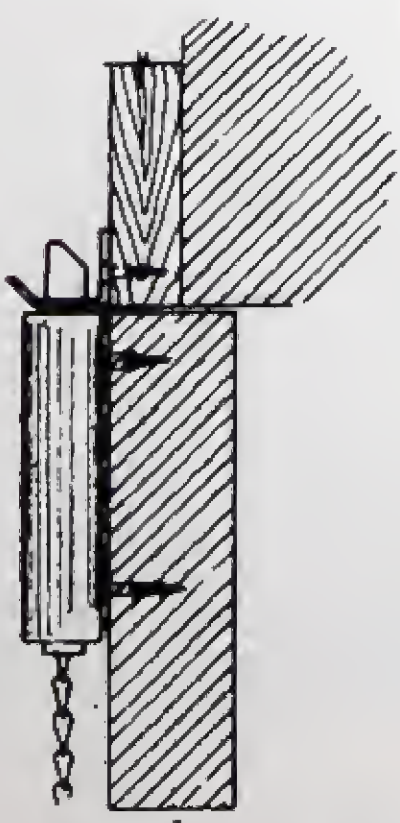
R-W No. 436 Set, Weight 20 pounds, Complete.....\$7.70

Discount

R-W No. 436



SECTION A-A



SECTION B-B

A-A is a section through the hanger, track and bracket.

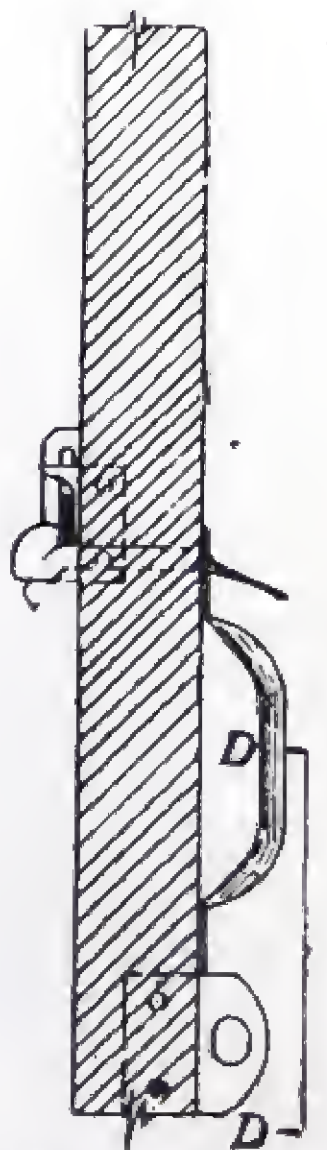
B-B is a section through the locking bolt.



VIEW D-D

C-C is a section through the latch, and D a section through the padlock plate.

D-D is an elevation of the padlock plates.



SECTION C-C

SlydaSyde
GARAGES



One 4 Door Set HH



Two 2 Door Sets DD



Three 2 Door Sets BB



Two 2 Door Sets FF



One 2 Door Set DD

SlydaSyde
GARAGES



One 6 Door Set KK



One 6 Door Set KK



One 2 Door Set DD



Two 3 Door Sets JJ



One 2 Door Set GG

SlydaSyde Right Angle Garage Door Hardware

Patented

R-W No. 235

CONTINUED



Fig. A-775—This illustration shows an exceptionally large installation (Notice Wicket Entrance Door)
Average sized doors are pictured on the following pages.

In a garage where front wall space is limited and where it is desired to secure maximum use of the floor space, "SlydaSyde" R-W No. 235 Garage Door Equipment makes an unusually satisfactory installation.

Even very heavy doors operate lightly on "SlydaSyde" hardware.

We make sets to accommodate doors of various kinds in a wide range of weights and sizes, and in various combinations, as shown on this and the following pages.

"SlydaSyde" doors when open stand along the side wall at right angles to the opening, inside the building and require a negligible amount of space for their operation in swinging around the corner.

The hardware is adaptable to various doorway conditions and arrangements, including—Single Doors with space between the jamb and the side wall; Double Doors with space between the jamb and side walls; Single and Double doors with jamb adjacent to the side wall; Pair of Doors Hinged Together for opening with space between the jamb and side wall. Three Doors Hinged Together and sliding to one side; Six Doors, three of which are hinged together sliding to the right, three of which are hinged together sliding to the left.

Diagrams shown on opposite page give a graphic idea of the line of travel of doors of various widths and the space required for their operation around the corner.

SlydaSyde Right Angle Garage Door Hardware

Patented R-W No. 235 CONTINUED



Fig. A-776—Exterior view of doorway equipped with single door, operating on "SlydaSyde AA" Hardware. Door in partly open position.

Doorway Clearance Diagrams

Each of the square spaces in the diagrams represent one foot. Solid lines indicate the line of travel of doors on straight tracks as sets A and B, pages 48 to 51. Dotted lines indicate the line of travel of doors on curved tracks as sets E, F, G, H, J and K, pages 56 to 67. Diagrams are laid out for doors from 3 to 10 feet wide. The clearance lines are based on the width of each door and not on the width of the opening in the case of sets G, H, J and K, where several doors are hinged together.

Example: A door 8 feet wide on straight track would require in being open, a space of 6½ feet from side wall at a point one foot from the front wall, 4 feet 9 inches from side wall at a point 2 feet from the front wall, 3 feet 6 inches from side wall at a point 3 feet from front wall, 2 feet 5 inches from side wall at a point 4 feet from front wall: 1 foot 7 inches from side wall at a point 5 feet from front wall and 10 inches from side wall at a point 6 feet from front wall.

Fig. A-777—Doorway with 2 foot space from jamb to side wall, requiring hardware sets Nos. 235-A, B, E, F, G, H, J or K.

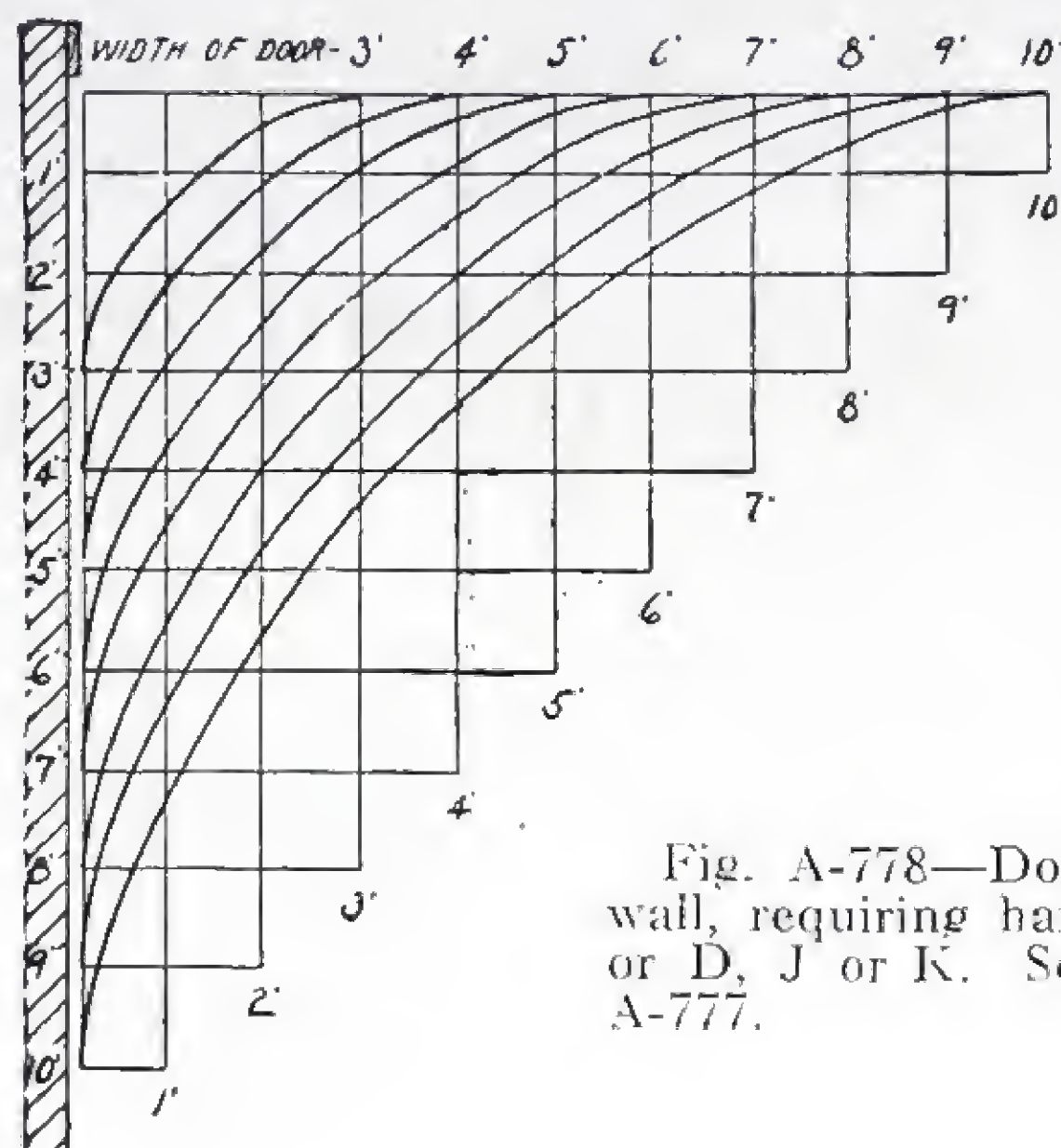
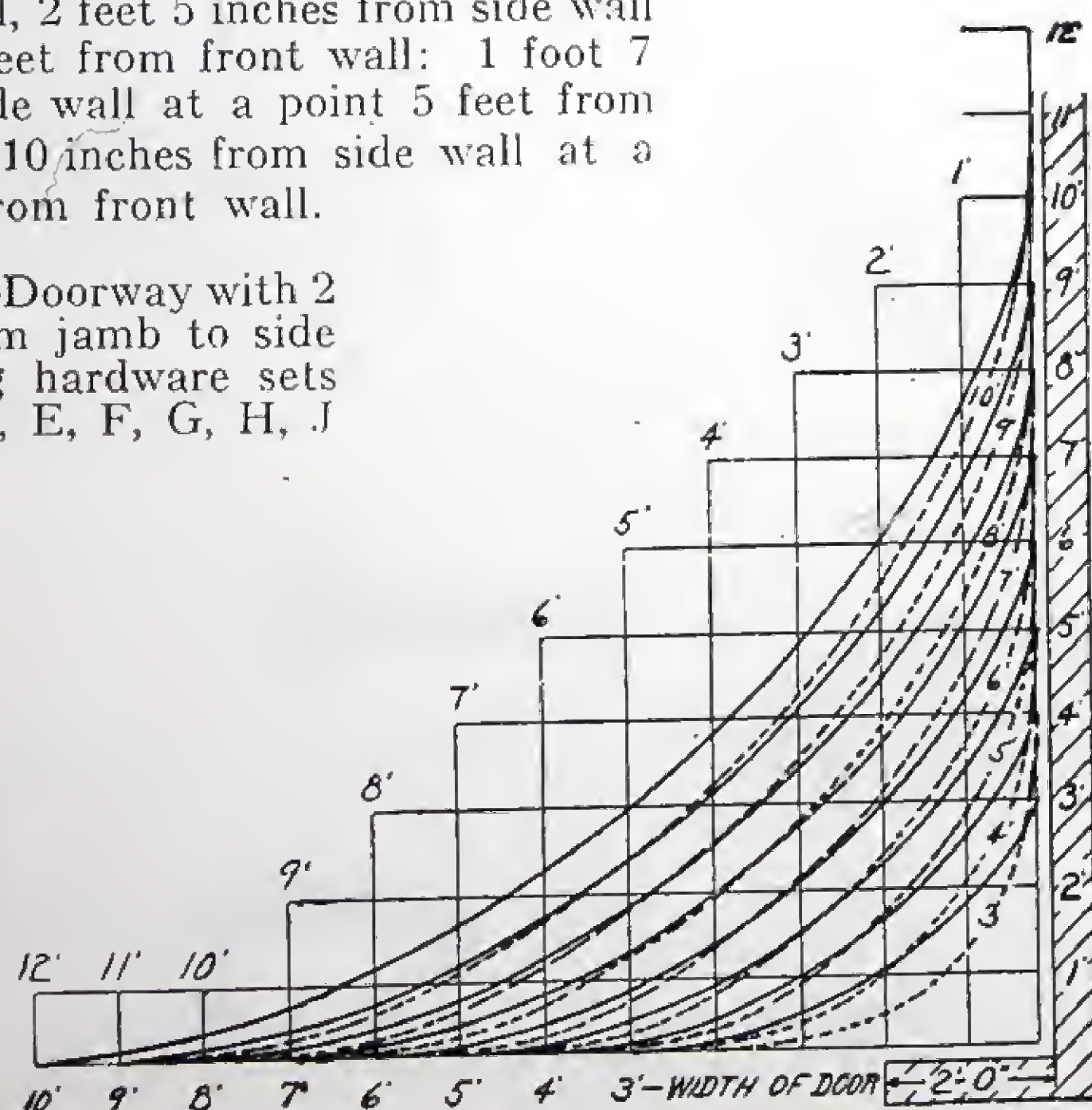


Fig. A-778—Doorway adjacent to side wall, requiring hardware sets Nos. 235-C or D, J or K. See example above (Fig. A-777).

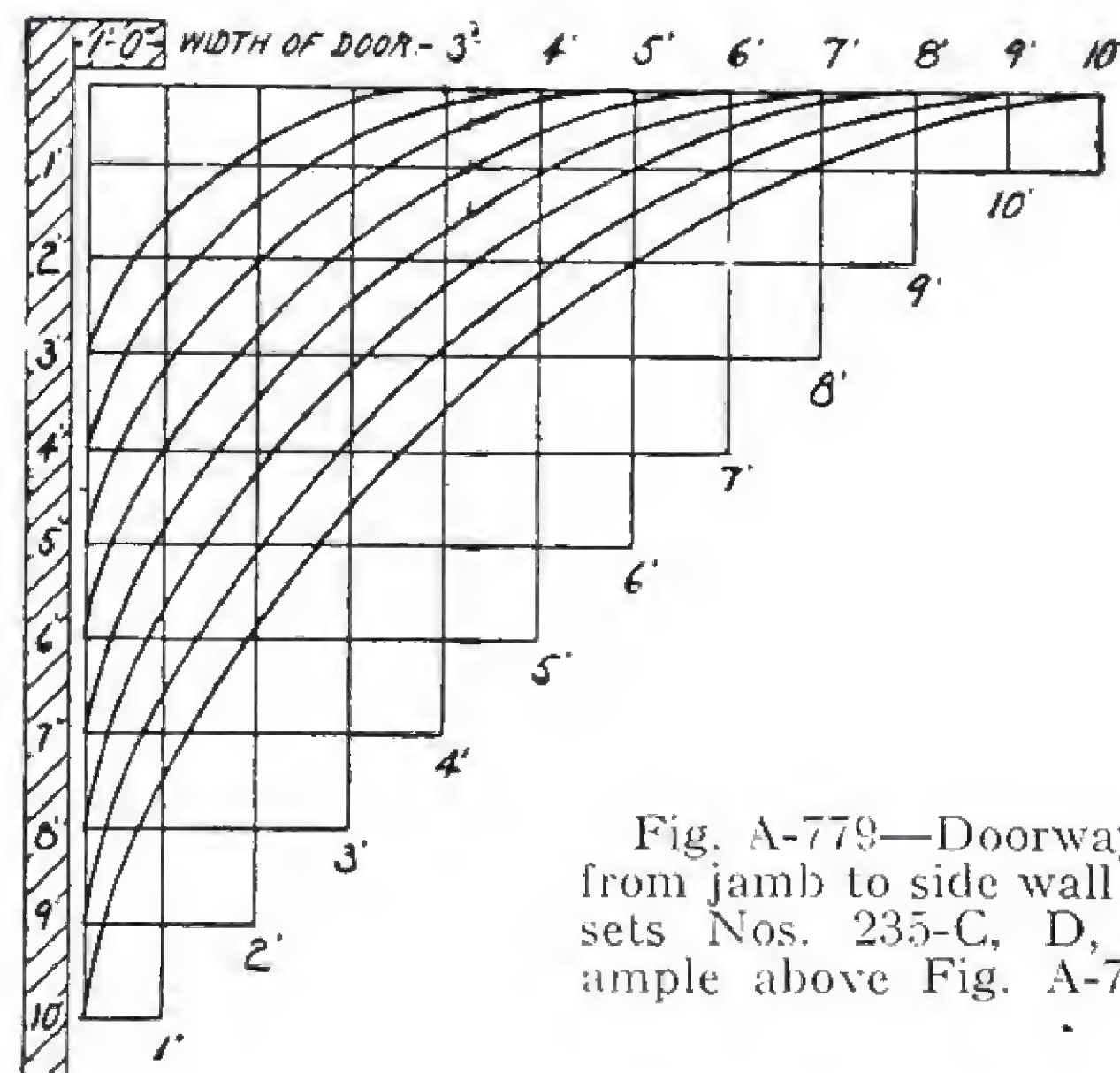
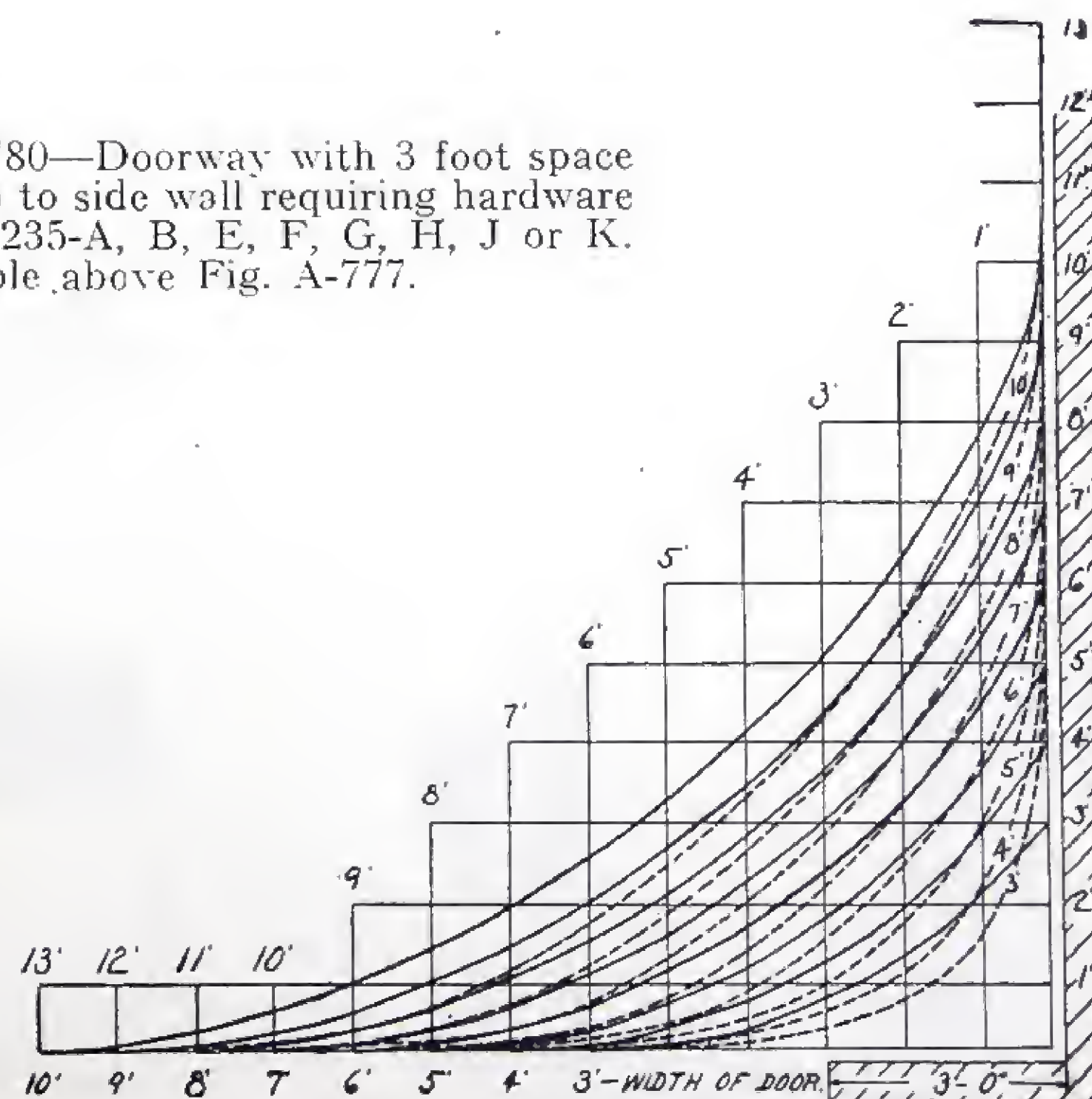


Fig. A-779—Doorway with 1 foot space from jamb to side wall requiring hardware sets Nos. 235-C, D, J or K. See example above Fig. A-777.

Fig. A-780—Doorway with 3 foot space from jamb to side wall requiring hardware sets Nos. 235-A, B, E, F, G, H, J or K. See example above Fig. A-777.





Four-Wheel Hanger
*No. 235-5 for No. 31 Track
*No. 235-9 for No. 232 Track
*No. 235-6 for No. 33 Track

SlydaSyde

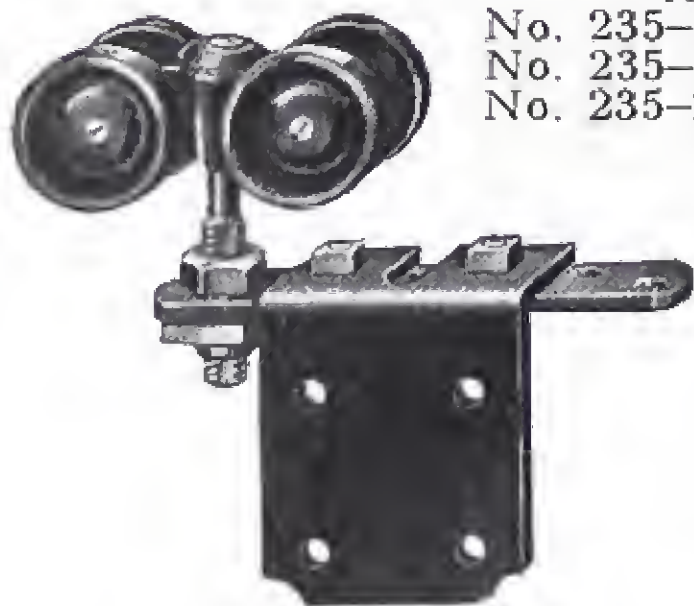
Patented

R-W No. 235

Two-Wheel Hanger
No. 235-3 for No. 31 Track
No. 235-8 for No. 232 Track
No. 235-4 for No. 33 Track



Right Angle Garage Door Hardware



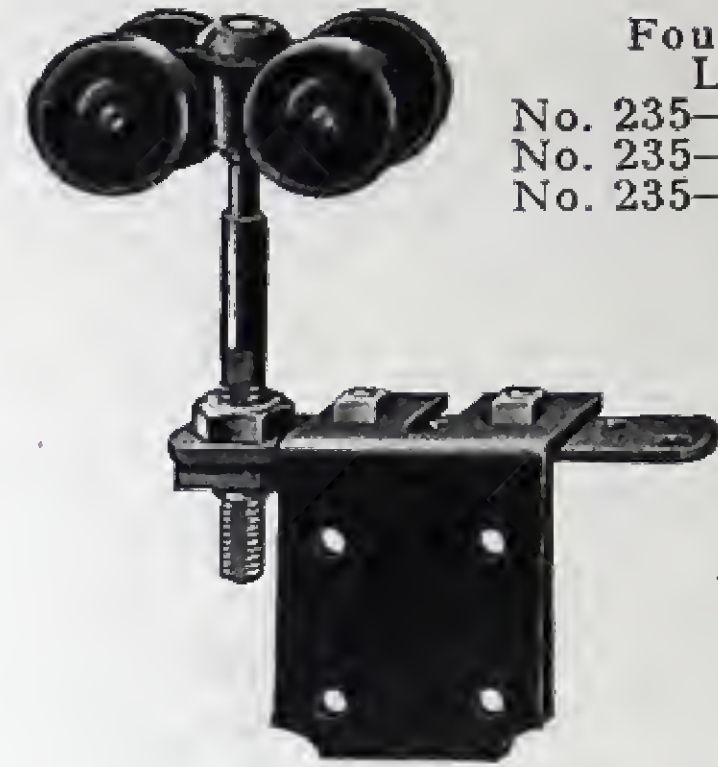
Four-Wheel Hanger
Short Pendant
No. 235-1 for No. 31 Track
No. 235-7 for No. 232 Track
No. 235-2 for No. 33 Track



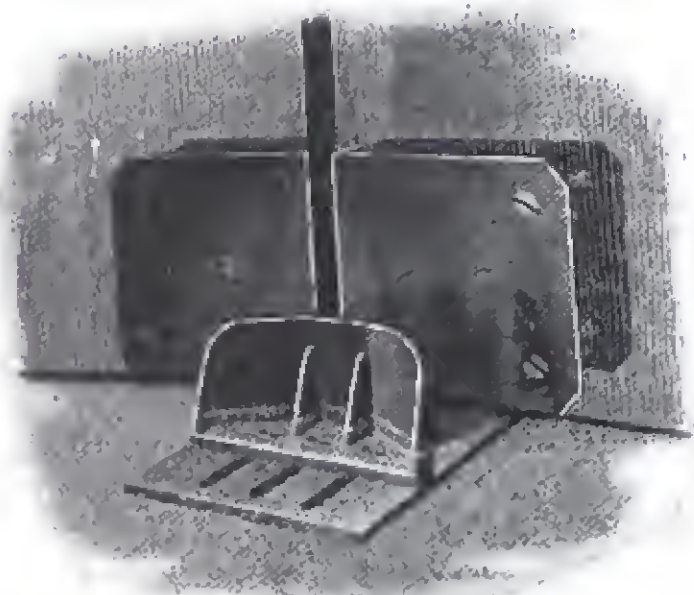
Four-Wheel Hanger
No. 235-23 for No. 31 Track
No. 235-28 for No. 232 Track
No. 235-24 for No. 33 Track



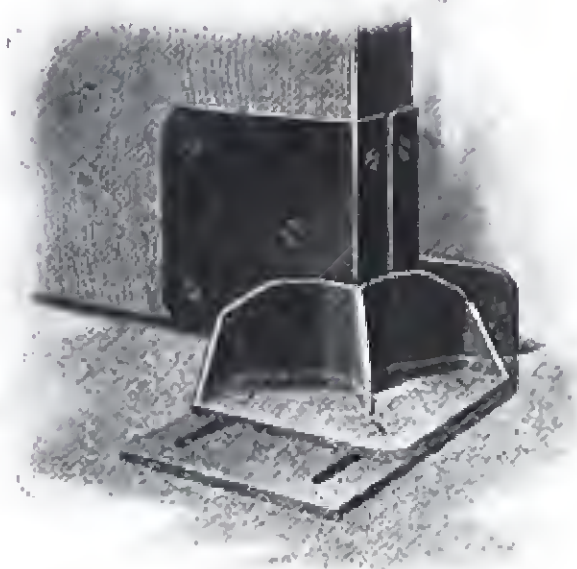
Stay Roller
No. 55



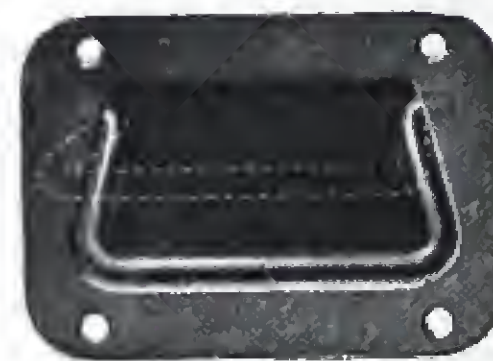
Four-Wheel Hanger
Long Pendant
No. 235-11 for No. 31 Track
No. 235-17 for No. 232 Track
No. 235-12 for No. 33 Track



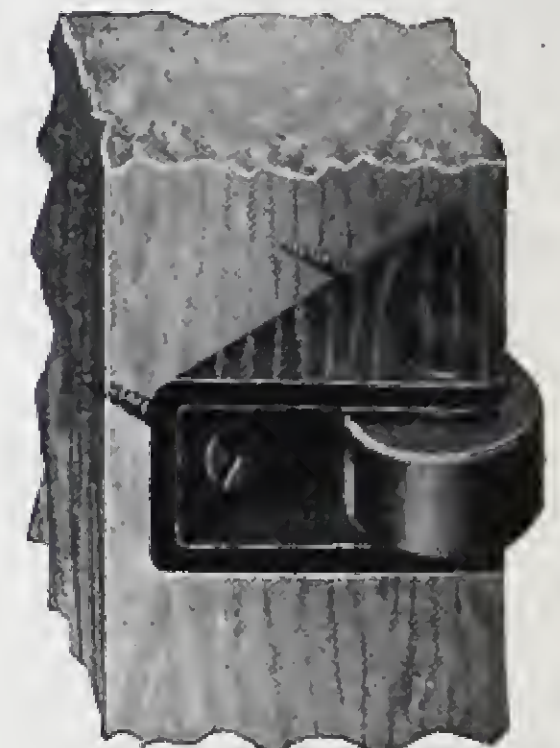
Center Floor Guide No. 271, and
Bumper Shoes No. 435-72



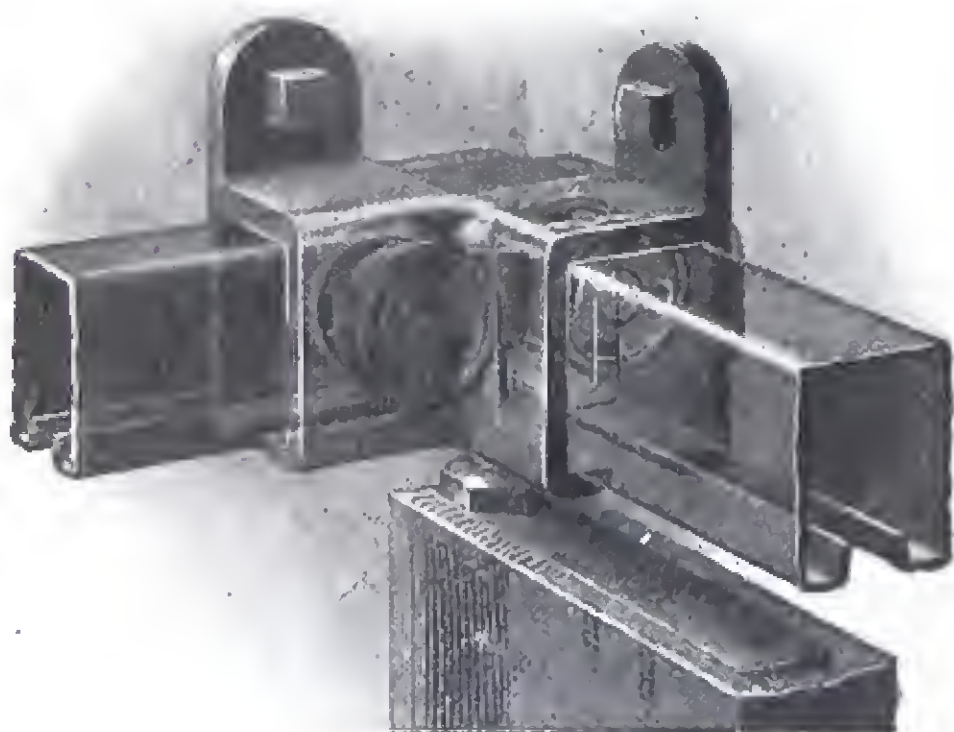
Floor End Stop No. 272, and
Bumper Shoes No. 435-72



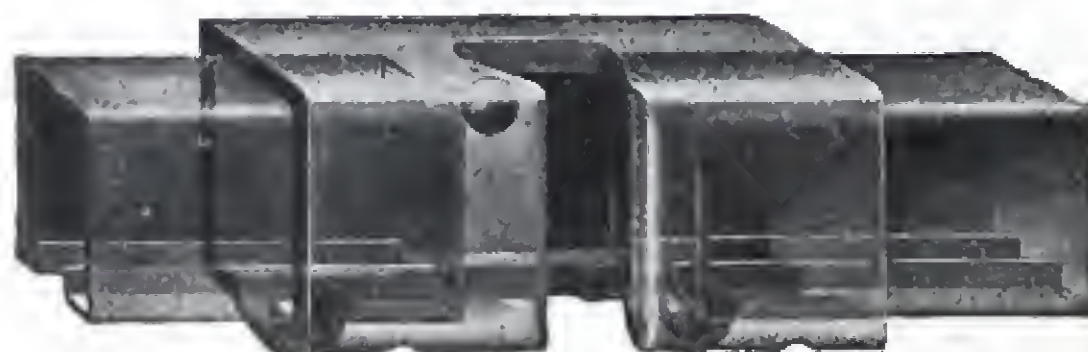
Flush Drop
Handle No. 170



No. 635 Corner Guide Roller



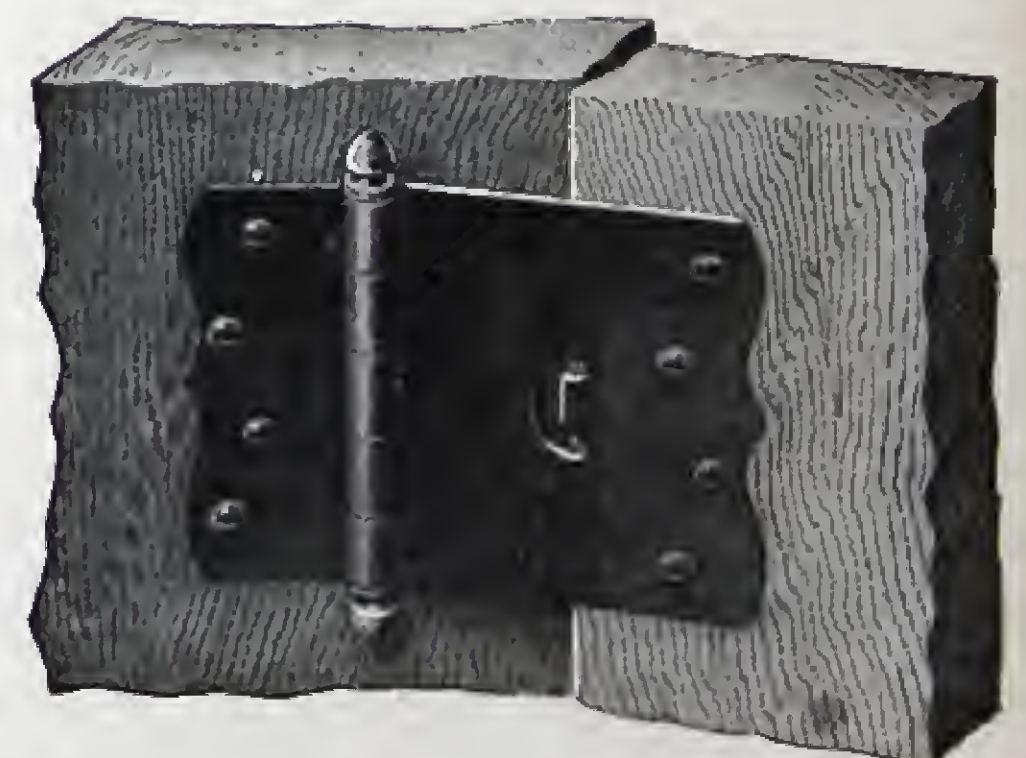
Corner Bracket
No. 235x31-C
No. 235x232-C
No. 235x33-C



Slot Bracket
No. 235x31-S
No. 235x232-S
No. 235x33-S



Curved Track
Nos. 31, 232 and 33



Surface Hinge
No. 635



Center Stop
Bracket
No. 12x31
No. 12x232
No. 12x33



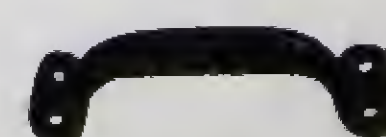
Center
Bracket
No. 1x31
No. 1x232
No. 1x33



Straight Track
Nos. 31, 232 and 33



Door Holder
No. 119



Bow Handle
No. 81



End Bracket
No. 2x31
No. 2x232
No. 2x33

Note—*Knuckle Joint Hangers to run in curved track.

SlydaSyde

Patented

R-W No. 235

Right Angle

Garage Door

Hardware



Fig. A-781—Interior view of garage doorway equipped with No. 235 "BB" Hardware.
Notice Wicket Door in Left Hand Door

Hanger Dimensions

Hanger No.	For Track No.	Diameter Wheels, Inches	Bearings in Hanger	Pendant	Top of Door to Bottom of Front Track		Clearance Required Above Bottom of Front Track	
					Minimum Inches	Maximum Inches	Side Wall Bracket, Inches	Ceiling Bracket Inches
235-1	31	2 1/8	Roller	Short	1 1/4	2	7	6
235-3	31	2 1/8	Ball	Short	1 1/4	2 1/2	7	6
*235-5	31	2 1/8	Ball	Short	1 3/8	2 3/8	4 5/8	3 1/2
235-11	31	2 1/8	Roller	Long	1 1/2	2 1/2	7	6
235-23	31	2 1/8	Roller	Short	1 1/2	2 1/2	7 1/8	6 1/8
235-7	232	3	Roller	Short	1 1/2	2 1/2	9 1/8	7 7/8
235-8	232	3	Roller	Short	1 1/2	2 1/2	9 1/8	7 7/8
*235-9	232	3	Ball	Short	1 3/4	3 1/4	5 5/8	4 3/8
235-17	232	3	Roller	Long	1 3/4	3 1/4	9 1/8	7 7/8
235-28	232	3	Roller	Short	1 3/4	3	9 1/8	7 7/8
235-2	33	3	Roller	Short	1 1/2	2 1/2	9 1/2	8 1/4
235-4	33	3	Roller	Short	1 1/2	2 1/2	9 1/2	8 1/4
*235-6	33	3	Ball	Short	1 3/4	3 1/4	6	4 3/4
235-12	33	3	Roller	Long	1 3/4	3	9 1/2	8 1/4
235-24	33	3	Roller	Short	1 3/4	3	9 1/2	8 1/4

*Knuckle Joint Hanger to run in curved track.

Detail of Hardware and List Price of Parts

DESCRIPTION	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each			Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. each			Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. each		
	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.
Hangers (page 46), each.....	235-1	\$2.50	3 3/4	235-7	\$3.50	7	235-2	\$4.00	7 3/4
Hangers (page 46), each.....	*235-3	2.50	2 3/4	235-8	3.50	5	235-4	4.00	6
Hangers (page 46), each.....	*235-5	3.50	3 3/4	*235-9	4.50	8	*235-6	5.00	9 3/4
Hangers (page 46), each.....	235-11	2.50	4	235-17	3.50	7	235-12	4.00	8
Hangers (page 46), each.....	235-23	2.50	4	235-28	3.50	7 1/2	235-24	4.00	8
Brackets, Corner (page 46), each.....	235x31-C	2.00	7 3/4	235x232-C	3.00	12 1/2	235x33-C	3.00	17
Brackets, End (page 107), each.....	235-2x31	.26	1 3/4	235-2x232	.55	3	235-2x233	.75	4
Brackets, Center (page 107), each.....	235-1x31	.26	1 3/4	235-1x232	.55	3	235-1x33	.75	4
Brackets, Center Stop (page 107), each.....	235-12x31	.85	3	235-12x232	1.35	5 1/4	235-12x33	1.65	7 1/2
Brackets, Slot (page 46), each.....	235x31-S	2.00	6	235x232-S	3.00	8	235x33-S	3.00	8 3/4
Trolley Track, Straight (page 110), per foot.....	31	.30	1 3/4	232	.55	2 3/4	33	.70	4
Trolley Track, Curved (page 110), per foot.....	31	1.90	1 3/4	232	2.85	2 3/4	33	3.10	4
Hinges, Surface (page 129), per pair.....	635-4"	1.20	2	635-5"	1.80	2	635-5"	1.80	2
Flush Drop Handles (page 125), each.....	170	.50	1 1/2	170	.50	1 1/2	170	.50	1 1/2
Bow Handles (page 125), each.....	81-1	.35	1 1/2	81-2	.55	1	81-2	.55	1
Center Floor Guides (page 126), each.....	271	.96	3	271	.96	3 1/4	271	.96	3
Floor End Stops (page 126), each.....	272	.85	2 1/2	272	.85	2 1/2	272	.85	2 1/2
Bumper Shoes (page 126), each.....	435-72	.14	1	435-72	.14	1	435-72	.14	1
Stay Rollers (page 46), each.....	55	.10	1 1/2	55	.10	1 1/2	55	.10	1 1/2
Door Holder (page 46), each.....	119	.15	1 1/4	119	.15	1 1/4	119	.15	1 1/4

*This is a ball bearing-hanger. Hangers not starred are roller-bearing.

Discount.....

SlydaSyde

Patented

R-W No. 235

Right Angle Garage Door Hardware

Single Door Sets "A" and "AA"

For opening with wall space between jamb and side wall, using Straight Track and No. 235 Slot Bracket

List Prices for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: "AA" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set AA-1, to lock door from inside only, including 1 No. 524 Cane Bottom Bolt (page 121) Opening up to 8' wide..... Opening 8'1"-9' wide..... Opening 9'1"-10' wide.....	\$20.00 21.00 22.00	72 75 79	\$31.50 32.75 34.00	107 112 117	\$36.60 38.35 40.10	132 138 144
Set AA-3, to lock door from inside only, including 1 No. 516 Door Bolt (page 122). Minimum lap of door over jamb is 2 inches. Opening up to 8' wide..... Opening 8'1"-9' wide..... Opening 9'1"-10' wide.....	20.50 21.50 22.50	72 75 79	32.00 33.25 34.50	107 112 117	37.10 38.85 40.60	132 138 144
Set AA-4, to lock door from outside only, including 1 No. 525 Door Lock, (page 117). Minimum lap of door over jamb is 1 1/2 inches. Opening up to 8' wide..... Opening 8'1"-9' wide..... Opening 9'1"-10' wide.....	22.00 23.00 24.00	73 76 80	32.50 33.75 35.00	107 112 117	37.60 39.35 41.10	132 138 144

Notes—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of door. Distance door laps on jamb. Distance from jamb to side wall. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" AA-1 for No. 31 Track. Opening 8 feet wide. Door 1 3/4 inches thick. Door laps on jamb 2 inches. Jamb to side wall 24 inches.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Single Door Complete Sets "AA" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
1 Hanger, Roller Bearing.....	235-23	Page 47	235-28	Page 47	235-24	Page 47
1 Hanger, Roller Bearing.....	235-11	"	235-17	"	235-12	"
*2 Runs, Trolley Track.....	31	"	232	"	33	"
**7 Brackets, Center Track.....	235-1x31	"	235-1x232	"	235-1x33	"
2 Brackets, End Track.....	235-2x31	"	235-2x232	"	235-2x33	"
1 Bracket, Slot.....	235x31-S	"	235x232-S	"	235x33-S	"
2 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Drop Handle.....	170	"	170	"	170	"
2 Floor End Stops.....	272	"	272	"	272	"
4 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)						
1 Cane Bottom Bolt (For use with AA-1 Sets).....	524-1	See page 121	524-2	See page 121	524-2	See page 121
or 1 Door Bolt (For use with AA-3 Sets).....	516	122	516	122	516	122
or 1 Door Lock (For use with AA-4 Sets).....	525	117	525	117	525	117

Notes—* Two runs of track (1 run equals width of opening plus distance from jamb to side wall plus approximately 6"). 1 run equals width of opening plus approximately 2". ** For opening over 10' wide, add two extra center brackets for each additional foot of opening.

Single Door "A" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

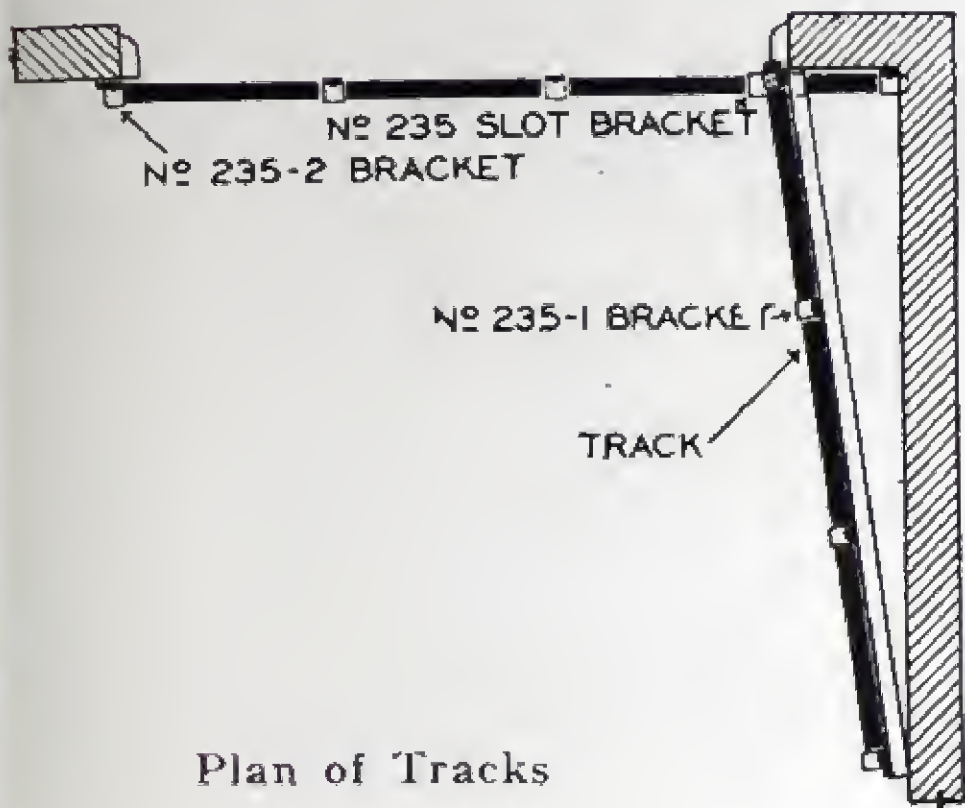
Includes Brackets for opening 10 feet wide. For opening with wall space between jamb and side wall. For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31 Track, per set \$13.00. Shipping weight 38 pounds.
For No. 232 Track, per set 18.00. Shipping weight 53 pounds.
For No. 33 Track, per set \$20.00. Shipping weight 72 pounds.
Example Order—1 set "SlydaSyde" "A" for No. 31 Track.

Discount

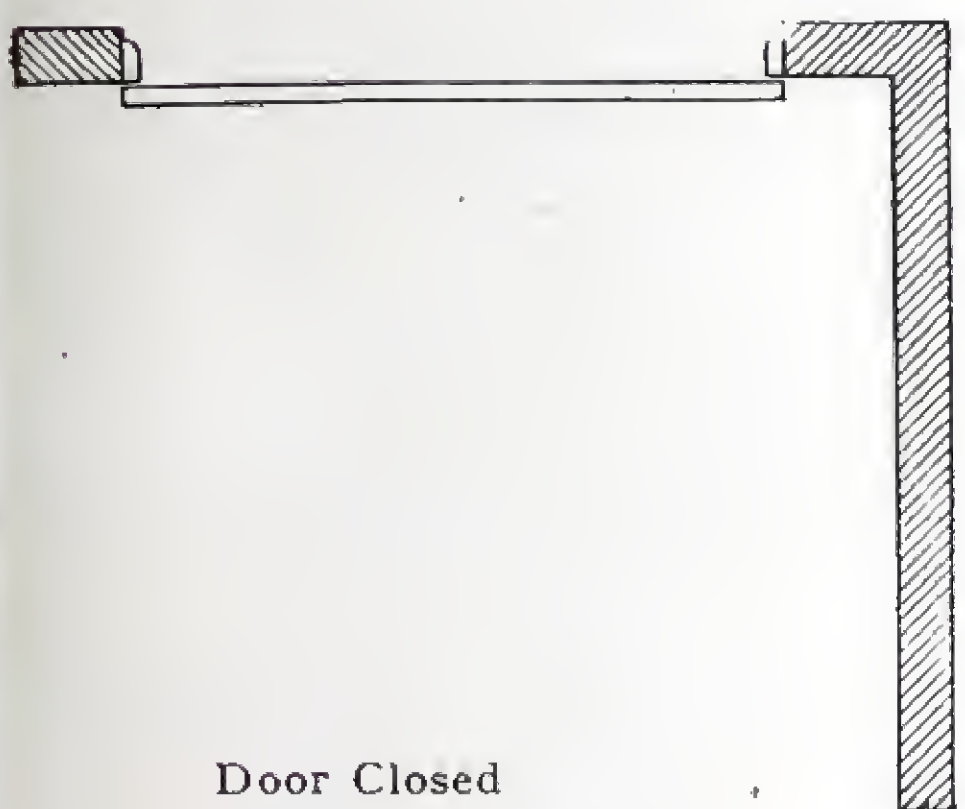
SlydaSyde
Patented

R-W No. 235 Right Angle Garage Door Hardware

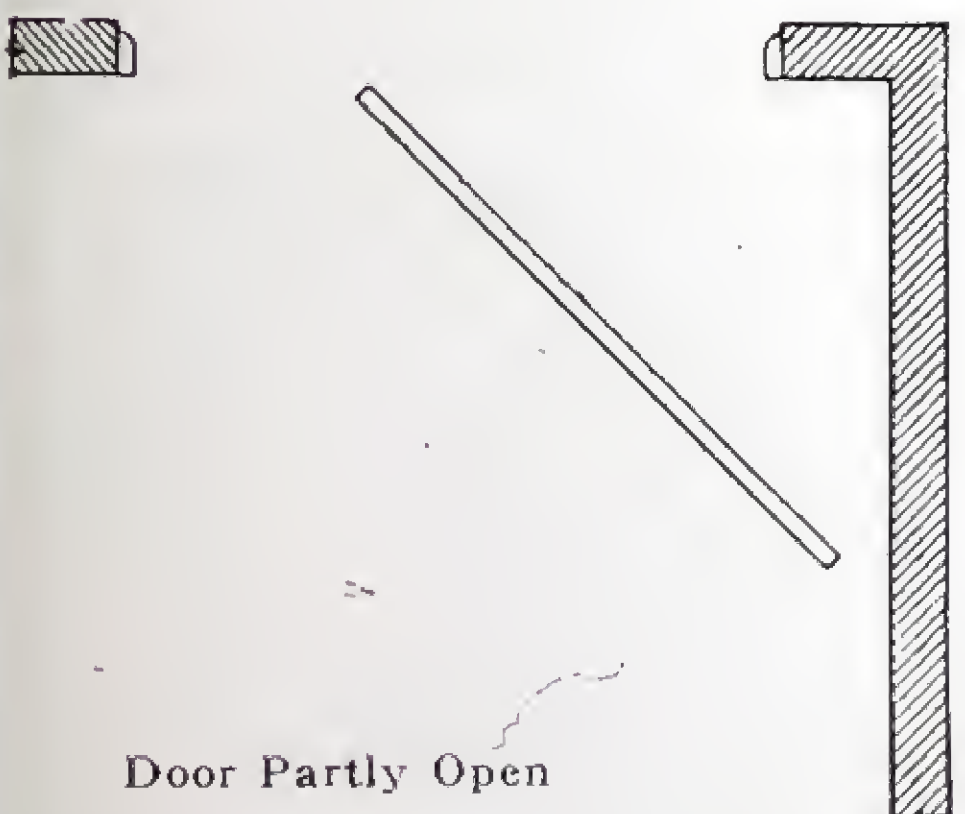
"A" and "AA" Single Door Sets



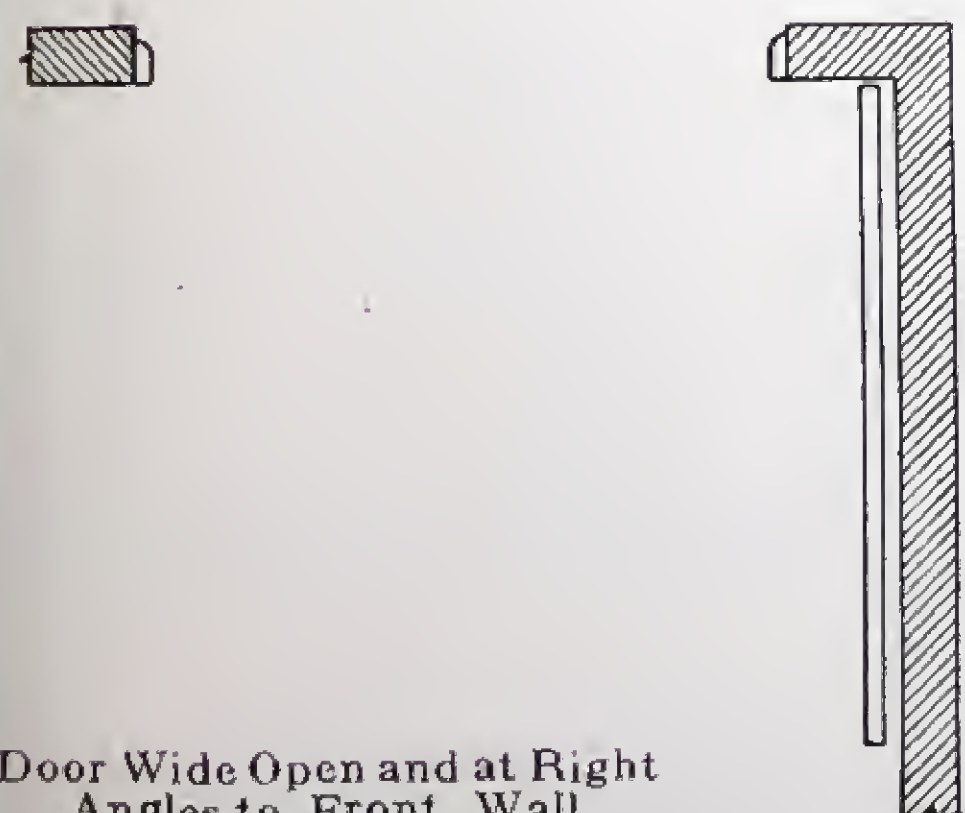
Plan of Tracks



Door Closed



Door Partly Open



Door Wide Open and at Right Angles to Front Wall

Fig. A-785—Floor Plans

For Opening With Single Door and Wall Space Between Jamb and Side Wall with Straight Track and No. 235 Slot Bracket.

Headroom Required

See "A" of Fig. A-787

For No. 31 Track.....	9"
For No. 232 Track.....	11 ³ / ₈ "
For No. 33 Track.....	11 ³ / ₄ "

Headroom may be decreased 1" on No. 31 Track Equipment or 1 ¹/₄" on Nos. 232 or 33 Track Equipments by using No. 7 style brackets for side track instead of No. 1 style brackets. A further reduction of ⁵/₈" can be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114

Fig. 787

Interior elevation showing proper location and names of 235 Parts for Single Door Set AA-1, including one 524 Cane Bottom Bolt.

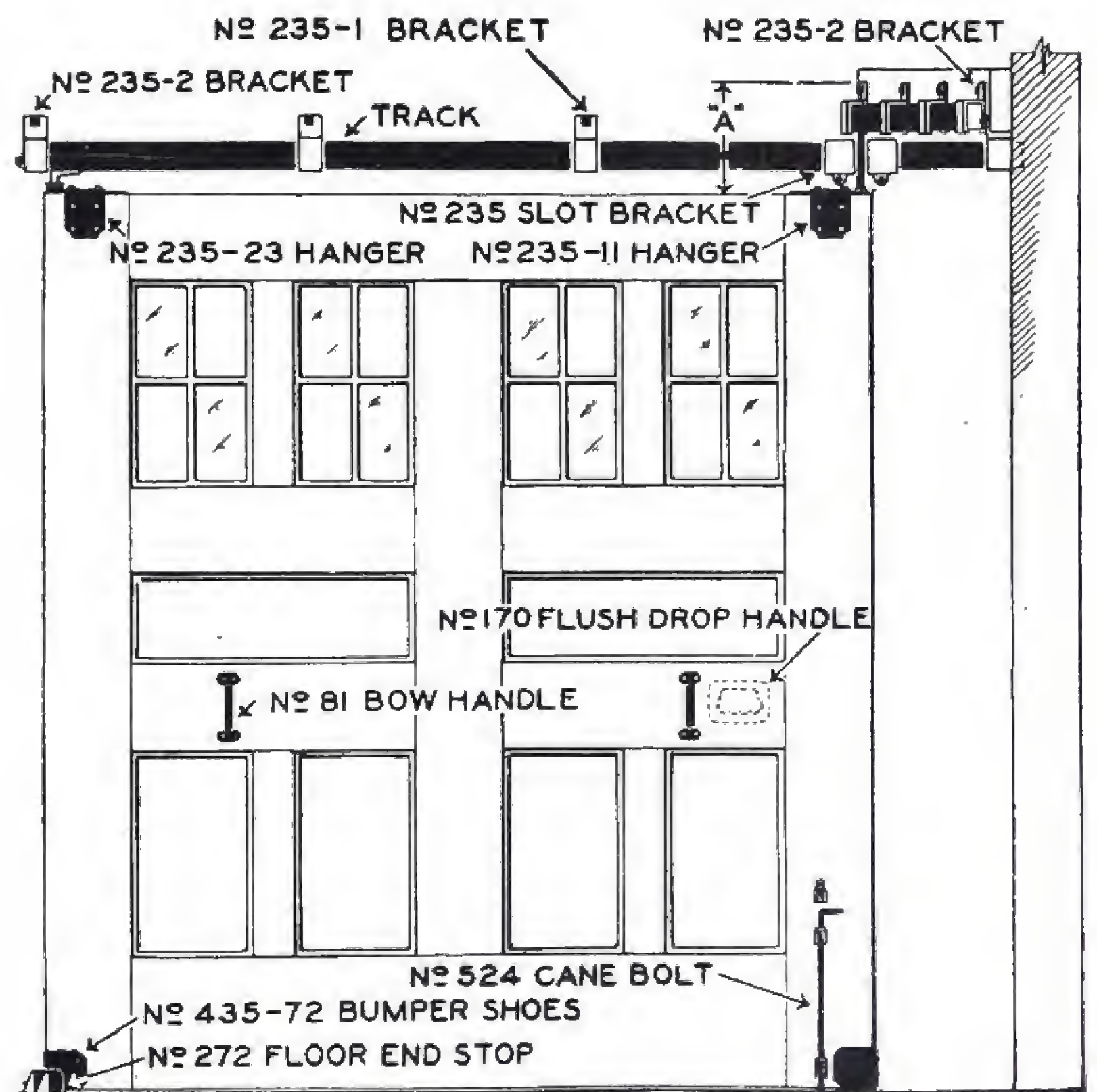


Fig. A-787—235-AA-1 Set

Fig. A-788
Interior elevation showing Set AA-4, including one 525 Door Lock.

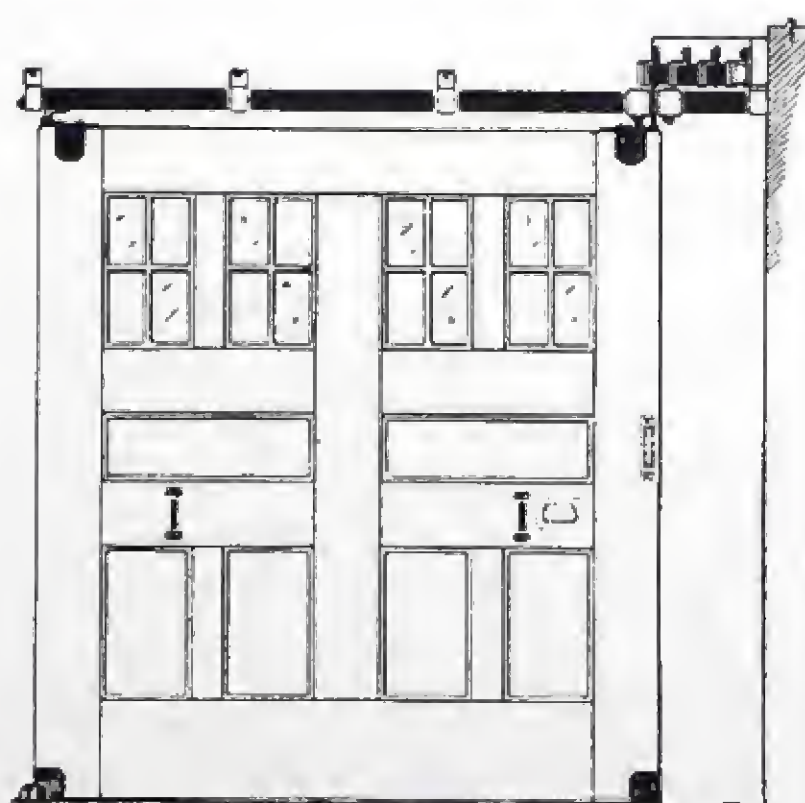


Fig. A-788—235-AA-4 Set

Fig. A-789
Interior elevation showing Set AA-3, including one 516 Door Bolt.

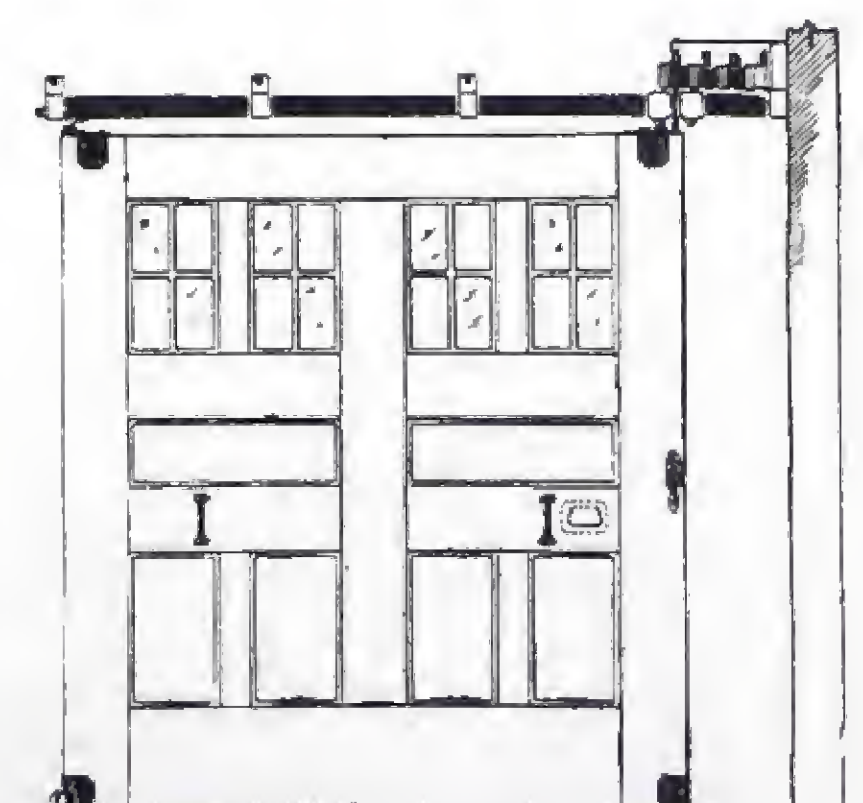


Fig. A-789—235-AA-3 Set

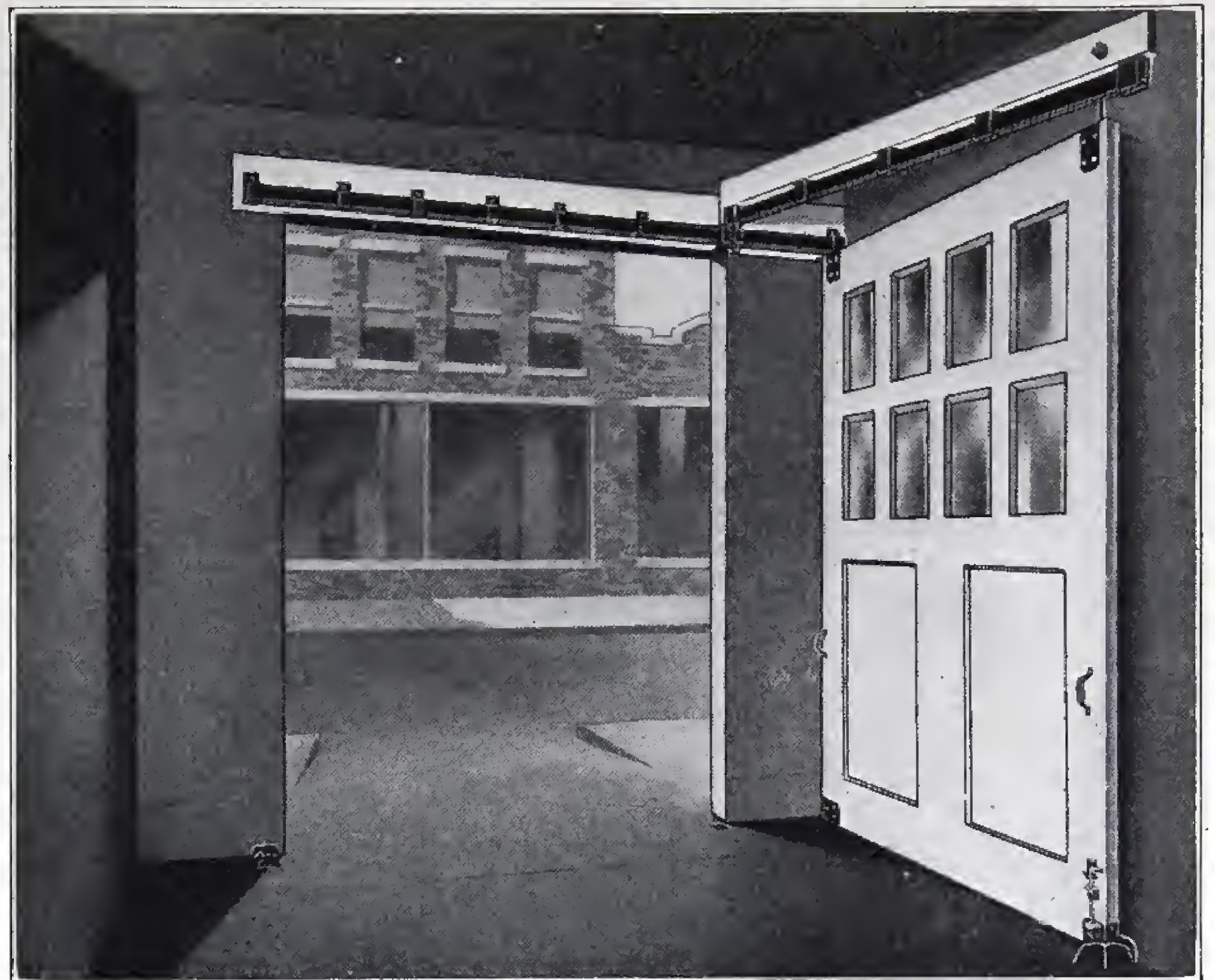


Fig. A-786—Interior View. Door Wide Open and Parallel with Side Wall.

SlydaSyde

Patented

R-W No. 235

Right Angle Garage Door Hardware

Double Door Sets "B" and "BB"

For opening with wall space between jamb and side wall, with Straight Track and Slot Brackets

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: "BB" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set BB-1, to lock doors from inside only, including 2 No. 524 Cane Bottom Bolts (page 121)						
Opening up to 8' wide.....	\$29.50	94	\$47.25	119	\$55.35	174
Opening 8'1" to 9' wide.....	30.50	97	48.50	125	57.10	180
Opening 9'1" to 10' wide.....	31.50	100	49.75	131	58.85	186
Set BB-3, to lock doors from inside only, including 2 No. 516 Door Bolts (page 122). Minimum lap of door over jamb is 2 inches.						
Opening up to 8' wide.....	31.75	95	49.25	118	57.35	173
Opening 8'1" to 9' wide.....	32.75	98	50.50	124	59.10	179
Opening 9'1" to 10' wide.....	33.75	101	51.75	130	60.85	185
Set BB-4, to lock doors from inside and outside, including 1 No. 524 Cane Bottom Bolt (page 121), and 1 No. 525 Door Lock (page 117). Minimum lap of door over jamb is 1 1/2 inches.						
Opening up to 8' wide.....	32.00	95	49.75	118	57.85	174
Opening 8'1" to 9' wide.....	33.00	98	51.00	124	59.60	180
Opening 9'1" to 10' wide.....	34.00	101	52.25	130	61.35	186
Set BB-6, to lock doors from inside and outside, including 1 No. 516 Door Bolt (page 122), and 1 No. 525 Door Lock (page 117). Minimum lap of door over jamb is 2 inches.						
Opening up to 8' wide.....	33.25	95	51.00	118	58.10	174
Opening 8'1" to 9' wide.....	34.25	98	52.25	124	59.85	180
Opening 9'1" to 10' wide.....	35.25	101	53.50	130	61.60	186

Notes—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance doors lap on jambs. Distance from jambs to side walls. Always send sketch of floor plan with above dimensions.

Example Order of Complete Sets—1 Set "SlydaSyde" BB-1 for No. 31 track. Opening 8 feet wide. Doors 1 3/4 inches thick. Doors lap on jambs 2 inches. 24 inches from jamb to side walls on both sides.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Double Door Complete Sets "BB" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	235-11	Page 47	235-17	Page 47	235-12	Page 47
2 Hangers, Roller Bearing.....	235-23	"	235-28	"	235-24	"
*3 Runs, Trolley Track.....	31	"	232	"	33	"
2 Brackets, End Track.....	235-2x31	"	235-2x232	"	235-2x33	"
**9 Brackets, Center Track.....	235-1x31	"	235-1x232	"	235-1x33	"
2 Brackets, Slot.....	235x31-S	"	235x232-S	"	235x33-S	"
4 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Drop Handle.....	170	"	170	"	170	"
2 Floor End Stops.....	272	"	272	"	272	"
1 Center Floor Guide.....	271	"	271	"	271	"
8 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)						
Cane Bottom Bolts (For use with BB-1 Sets).....	524-1	See page 121	524-2	See page 121	524-2	See page 121
or 2 Door Bolts (For use with BB-3 sets).....	516	122	516	122	516	122
1 Cane Bottom Bolt.....	524-1	121	524-2	121	524-2	121
and 1 Door Lock (For use with BB-4 sets).....	525	117	525	117	525	117
1 Door Bolt.....	516	122	516	122	516	122
and 1 Door Lock (For use with BB-6 sets).....	525	117	525	117	525	117

Notes—* Three runs of track (1 run equals width of opening plus distance from jambs to side walls plus 6", 2 runs equal one-half width of opening plus approximately 2'). ** For openings over 10' wide, add 3 extra Center Brackets for each additional 2' of opening.

Double Door "B" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 10 feet wide. For opening with wall space between jamb and side wall.

For the convenience of dealers who carry our track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:

For No. 31 Track, per set \$21.75. Shipping weight 58 pounds.

For No. 33 Track, per set \$36.00. Shipping weight 107 pounds.

For No. 232 Track, per set 31.50. Shipping weight 90 pounds.

Example Order—1 Set "SlydaSyde" B for No. 31 track.

Discount.....

SlydaSyde

Patented

R-W No. 235 Right Angle Garage Door Hardware

"B" and "BB" Double Door Sets

For Opening with Double Doors and Wall Space Between Jambs and Side Walls, with Straight Track and No. 235 Slot Brackets

Headroom Required

See "A" of Fig. A-793

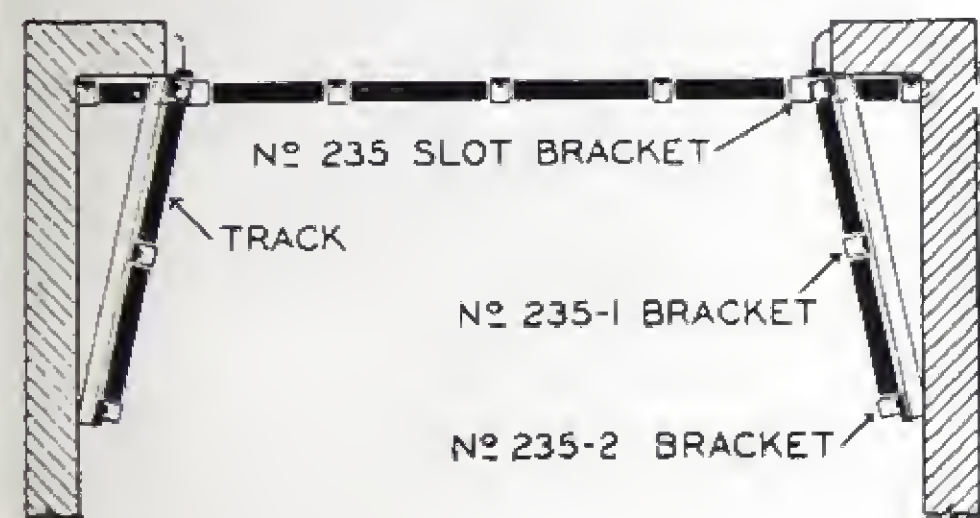
For No. 31 Track.....	9 inches
For No. 232 Track.....	11 ³ / ₈ inches
For No. 33 Track.....	11 ³ / ₄ inches

Headroom may be decreased 1" on No. 31 Track Equipment or 1 ¹/₄" on Nos. 232 or 33 Track Equipments by using No. 7 style brackets for side track instead of No. 1 style brackets. A further reduction of ⁵/₈" can be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114.



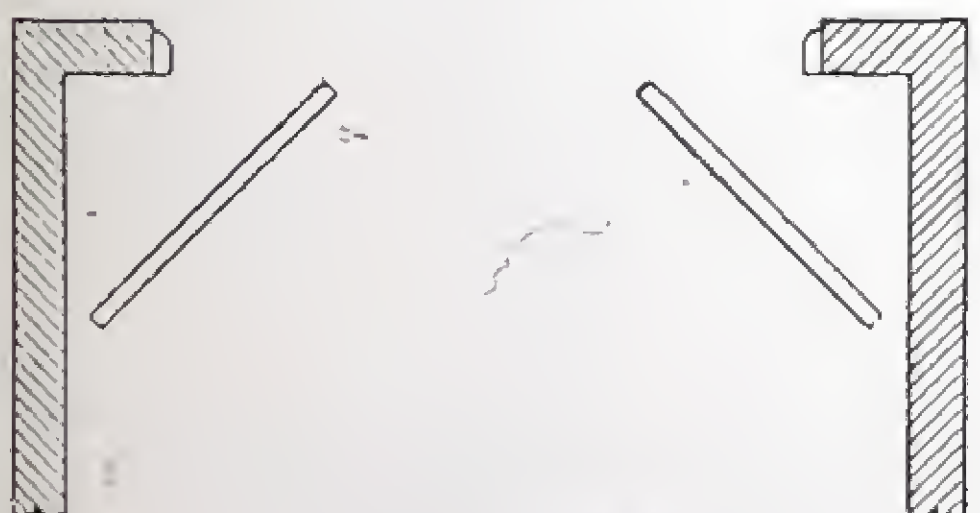
Fig A-791—Interior of garage doorway having double doors equipped with "SlydaSyde" BB hardware. One car garage. Note wicket entrance door.



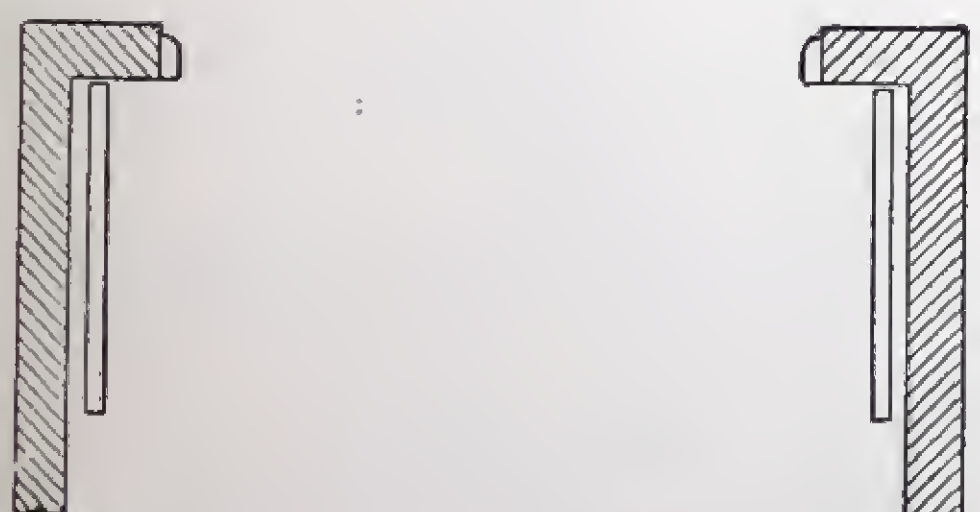
Plan of Tracks



Doors Closed



Doors Partly Open



Doors Open and at Right Angles to Front Wall

Fig. A-790—Floor Plans

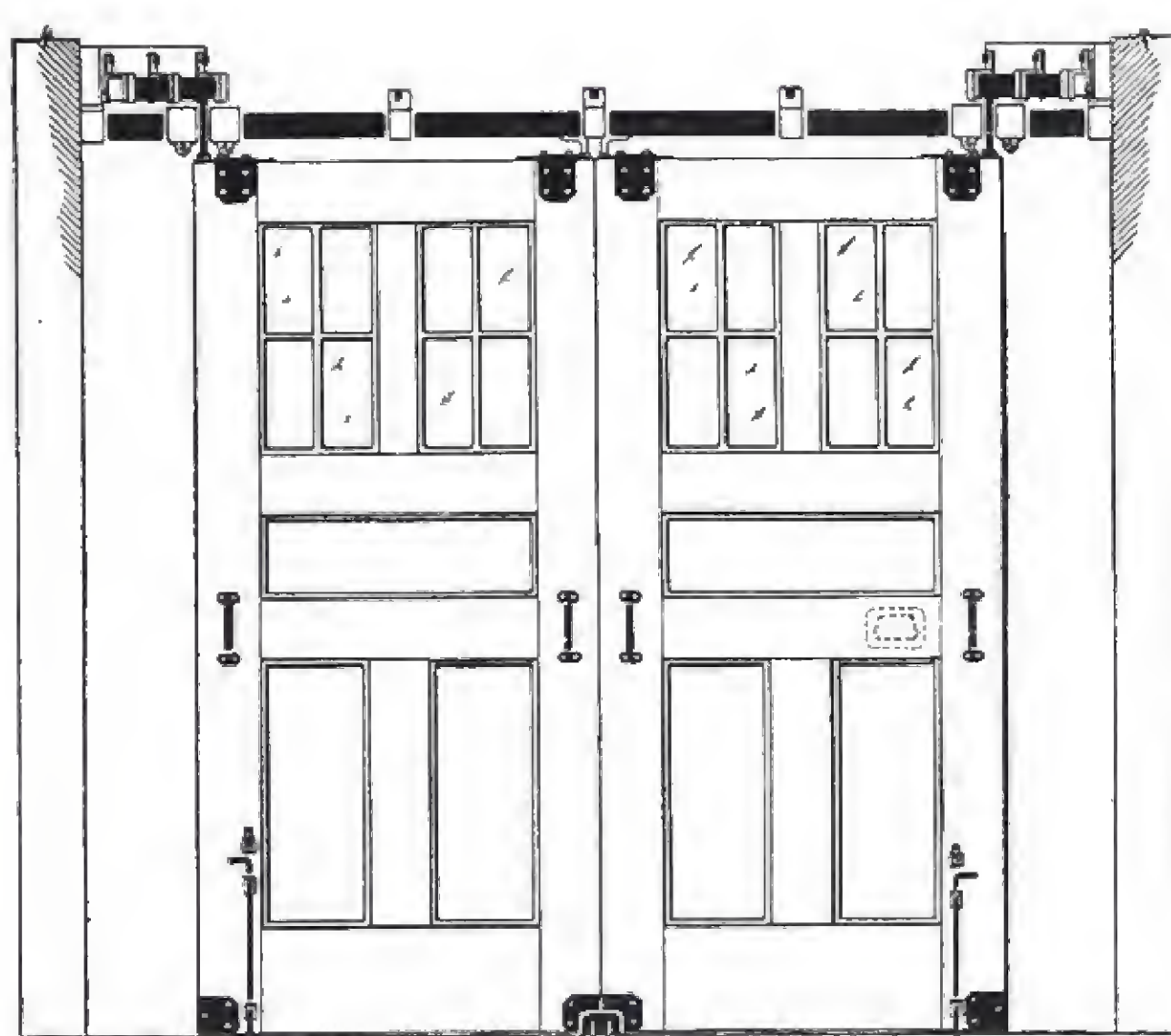


Fig. A-792—Interior elevation showing Set BB-1, including two 524 Cane Bottom Bolts.

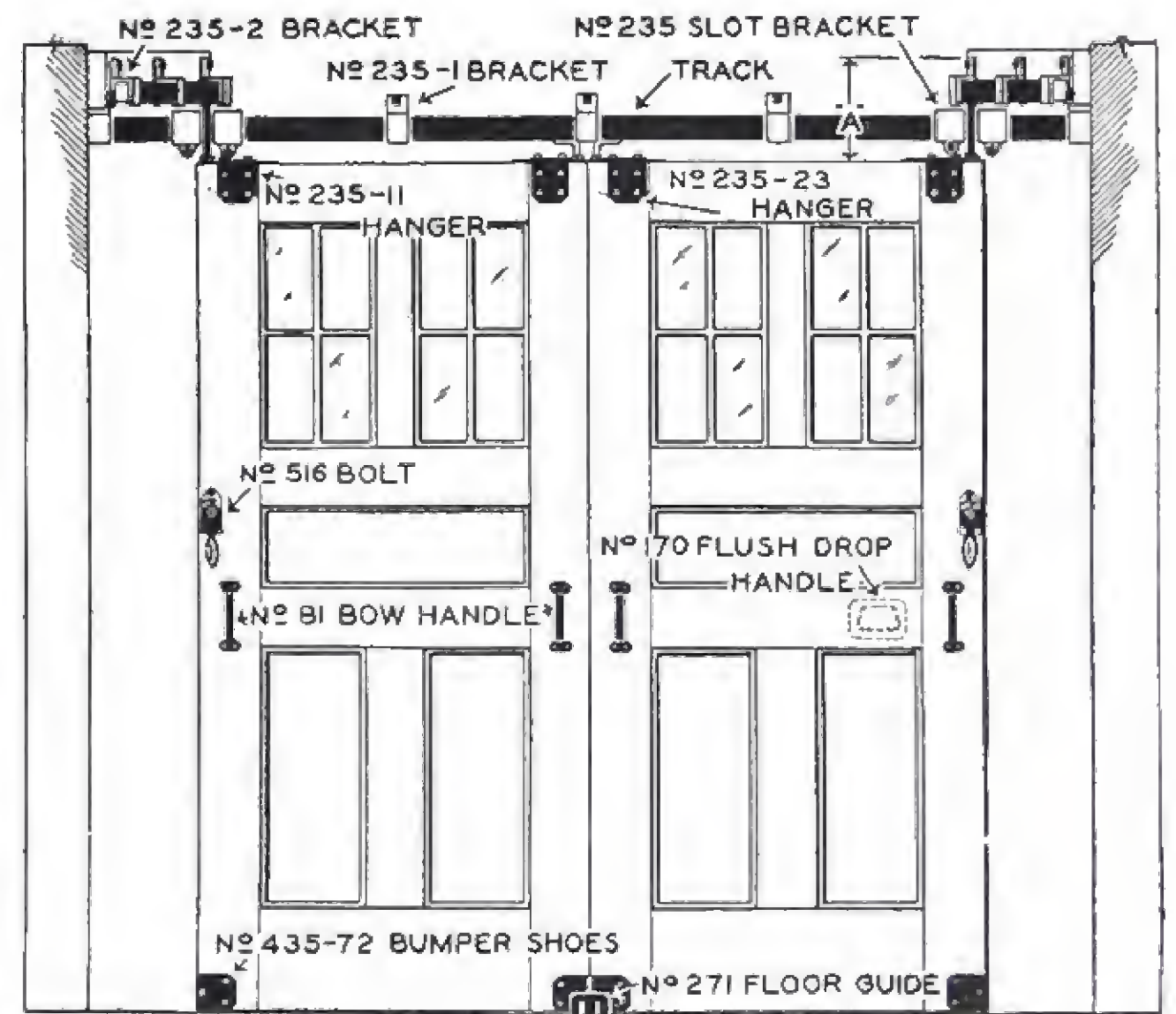


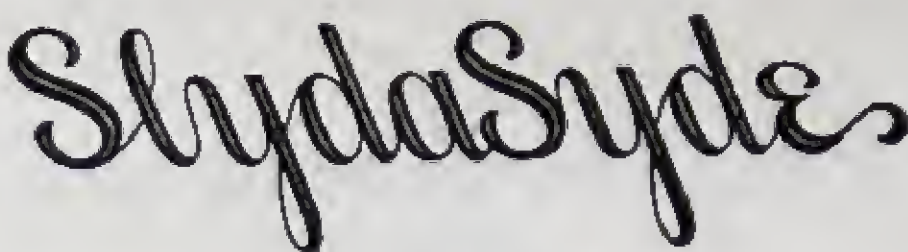
Fig. A-793—Interior elevation showing proper location and names of 235 Parts for BB-3 Sets, including two 516 Door Bolts.



Fig. A-794—Interior elevation showing Set BB-6, including one 516 Door Bolt and one 525 Door Lock.



Fig. A-795—Interior elevation showing Set BB-4, including a 524 Cane Bottom Bolt and a 525 Door Lock.



Patented

R-W No. 235

Right Angle Garage Door Hardware

Single Door Sets "C" and "CC"

For openings adjacent to side wall, with Straight Track and Patented Corner Bracket

Maximum distance from edge of door (not edge of opening) when closed, to side wall; 2 1/8" for No. 31 track, 2 3/8" for Nos. 232 and 33 tracks

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows: "CC" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set CC-1, to lock doors from inside only, including 1 No. 524 Cane Bottom Bolt (page 121)						
Opening up to 8' wide.....	\$19.75	70	\$30.75	107	\$34.75	132
Opening 8'1" to 9' wide.....	20.75	73	32.00	112	36.50	138
Opening 9'1" to 10' wide.....	21.75	76	33.25	117	38.25	144
Set CC-3, to lock doors from inside only, including 1 No. 516 Door Bolt (page 122). Minimum lap of door over jamb is 2 inches. Minimum width of jamb for 31 track is 3 1/4"; for No. 232 track 3 1/2"; for No. 33 track 3 3/4".						
Opening up to 8' wide.....	20.25	70	31.25	107	36.25	132
Opening 8'1" to 9' wide.....	21.25	73	32.50	112	38.00	138
Opening 9'1" to 10' wide.....	22.25	76	33.75	117	39.75	144
Set CC-4, to lock doors from outside only, including 1 No. 825 Door Lock (page 118). Minimum lap of door over jamb is 1 1/2 inches. Minimum width of jamb for 31 track is 2 3/8"; for No. 232 track 2 5/8"; for No. 33 track 2 7/8".						
Opening up to 8' wide.....	21.75	70	31.75	107	36.75	132
Opening 8'1" to 9' wide.....	22.75	73	33.00	112	38.50	138
Opening 9'1" to 10' wide.....	23.75	76	34.25	117	40.25	144

Notes—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of door. Distance door laps on jamb. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" CC-1 for No. 31 Track. Opening 8 feet wide. Door 1 3/4 inches thick. Door laps on jamb 2 inches.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Single Door Complete Sets "CC" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	235-1	Page 47	235-7	Page 47	235-2	Page 47
*2 Runs Trolley Track.....	31	"	232	"	33	"
2 Brackets, End Track.....	235-2x31	"	235-2x232	"	235-2x33	"
**6 Brackets, Center Track.....	235-1x31	"	235-1x232	"	235-1x33	"
1 Bracket, Corner Track.....	235x31-C	"	235x232-C	"	235x33-C	"
2 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Drop Handle.....	170	"	170	"	170	"
2 Floor End Stops.....	272	"	272	"	272	"
4 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
1 Cane Bottom Bolt (For use with CC-1 sets).....	524-1	121	524-2	121	524-2	121
or 1 Door Bolt (For use with CC-3 sets).....	516	122	516	122	516	122
or 1 Door Lock (For use with CC-4 sets).....	825	118	825	118	825	118

Notes—* 2 runs of track (2 runs each width of opening plus 1'). ** For openings over 10' wide add two extra Center Brackets for each additional 1' of opening.

Single Door "C" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 10 feet wide. For opening adjacent to side wall.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:

For No. 31 Track, per set \$12.75. Shipping weight 38 pounds.

For No. 33 Track, per set \$19.25. Shipping weight 72 pounds.

For No. 232 Track, per set 17.25. Shipping weight 53 pounds.

Example Order—1 Set "SlydaSyde" C for No. 31 Track.

Discount

SlydaSyde

Patented

R-W No. 235

Right Angle Garage Door Hardware

"C" and "CC" Single Door Sets

For Opening Adjacent to Side Wall, with Straight Track, and
No. 235 Patented Corner Bracket

Headroom Required

See "A" of Fig. A-798

For No. 31 Track.....	6 ³ / ₈ inches
For No. 232 Track.....	7 ⁵ / ₈ inches
For No. 33 Track.....	8 inches

A further reduction of ⁵/₈" in headroom can be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114.

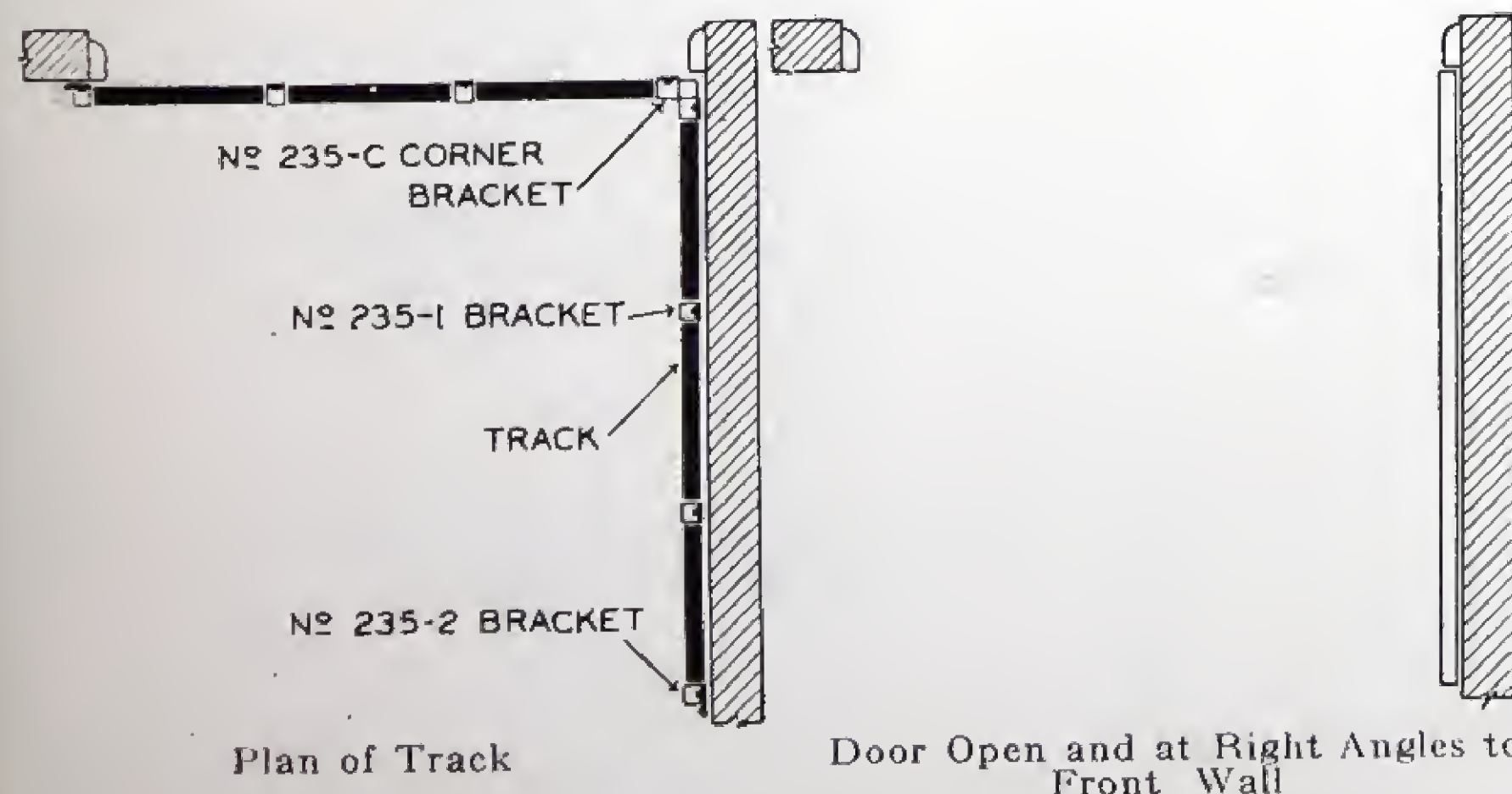
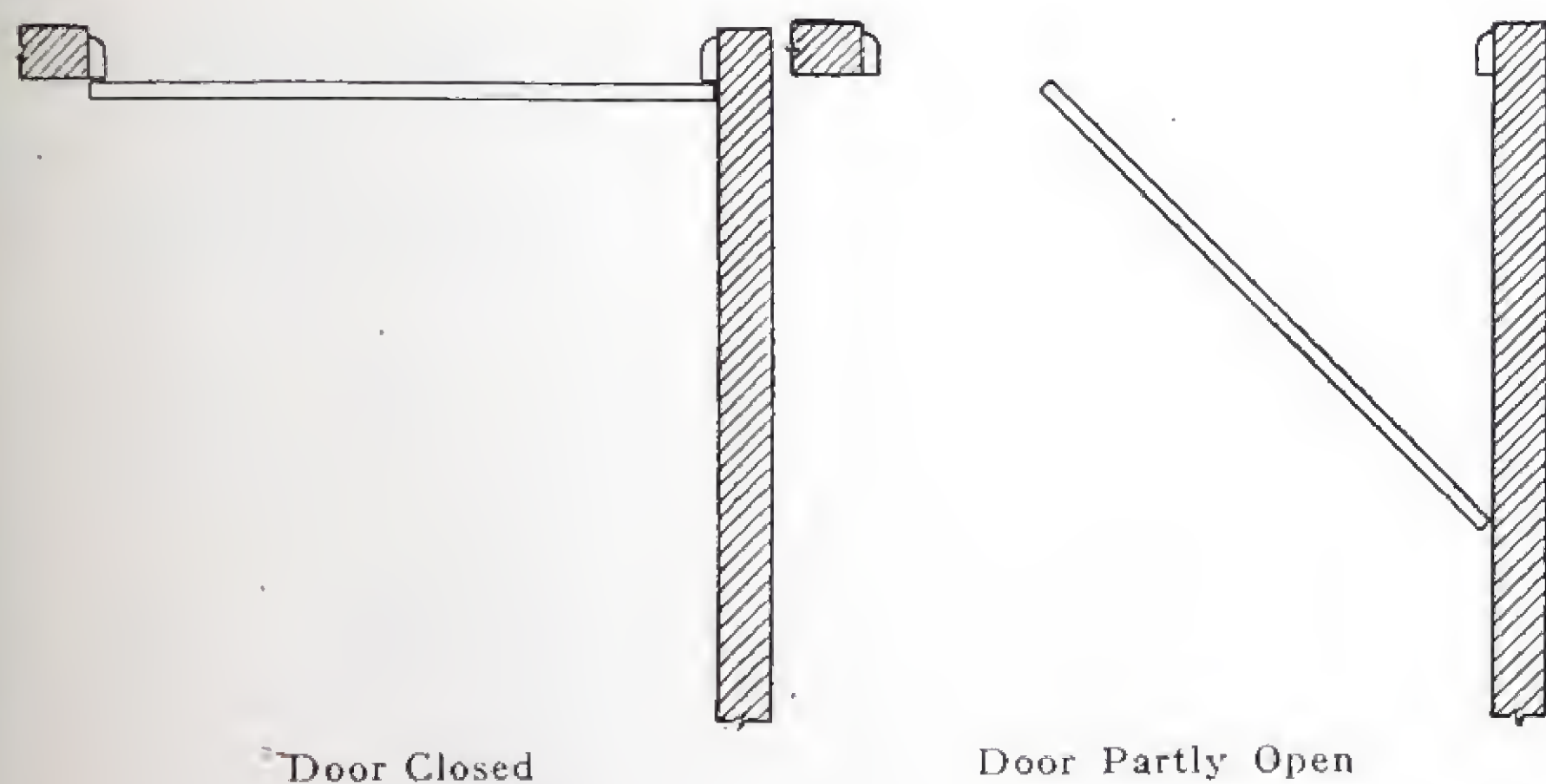


Fig. A-796—Floor Plans

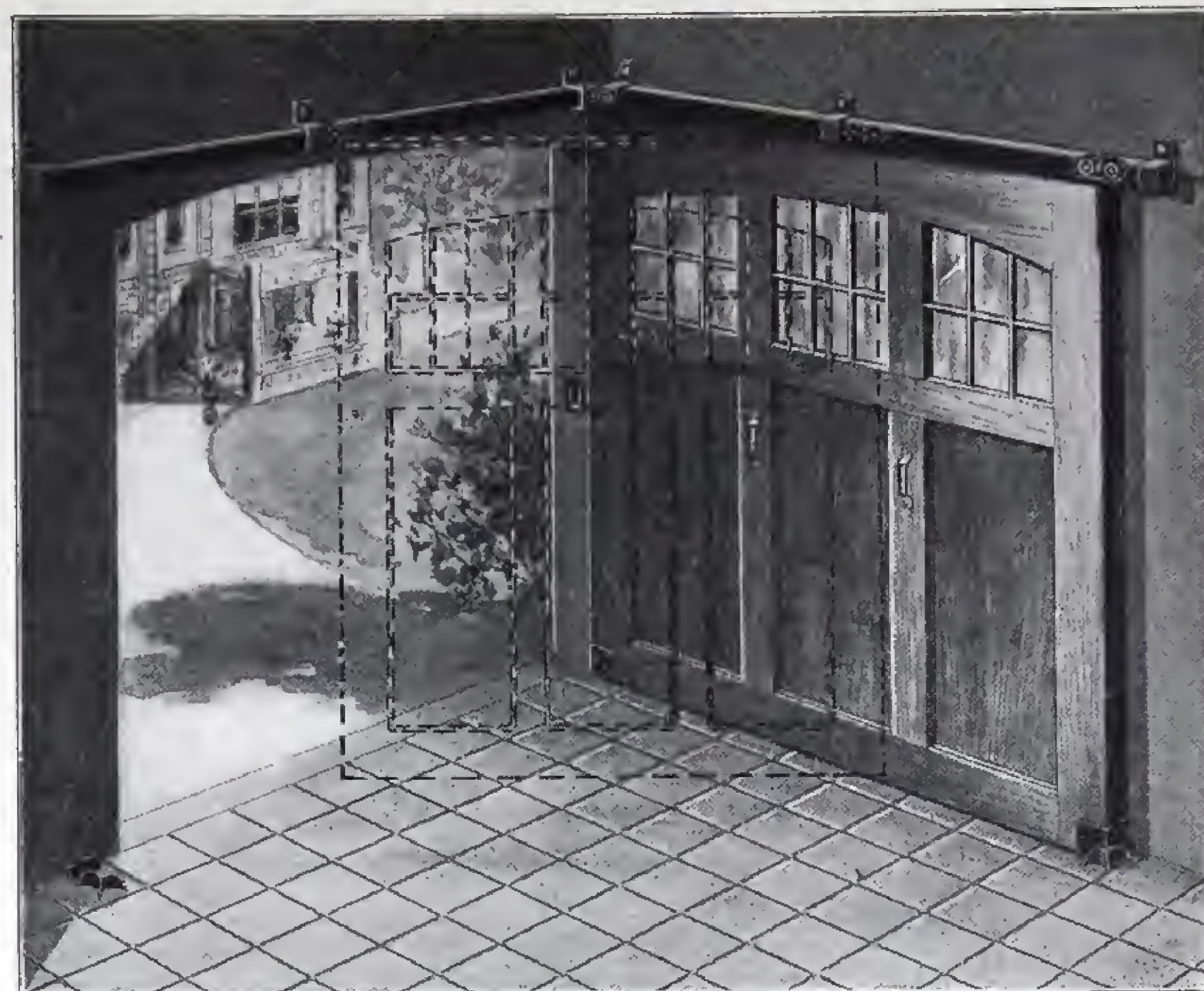


Fig. A-797—Illustration of interior of garage doorway equipped with Single door "SlydaSyde" CC Hardware.

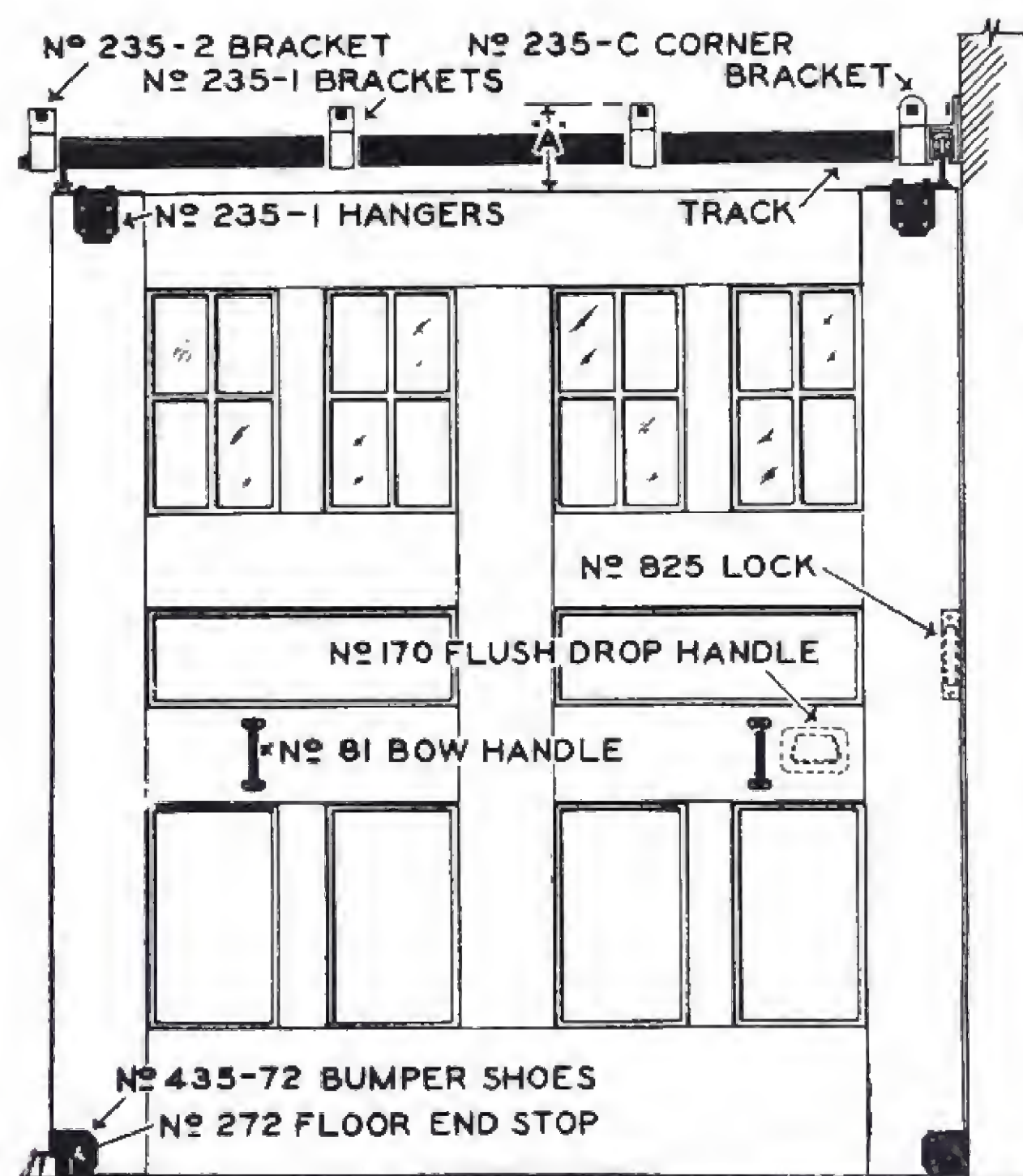


Fig. A-798—Interior elevation showing proper location and names of 235 Parts for CC-4 Sets, including one 825 Door Lock.



Fig. A-799 — Interior elevation showing Set CC-3, including one 516 Door Bolt.

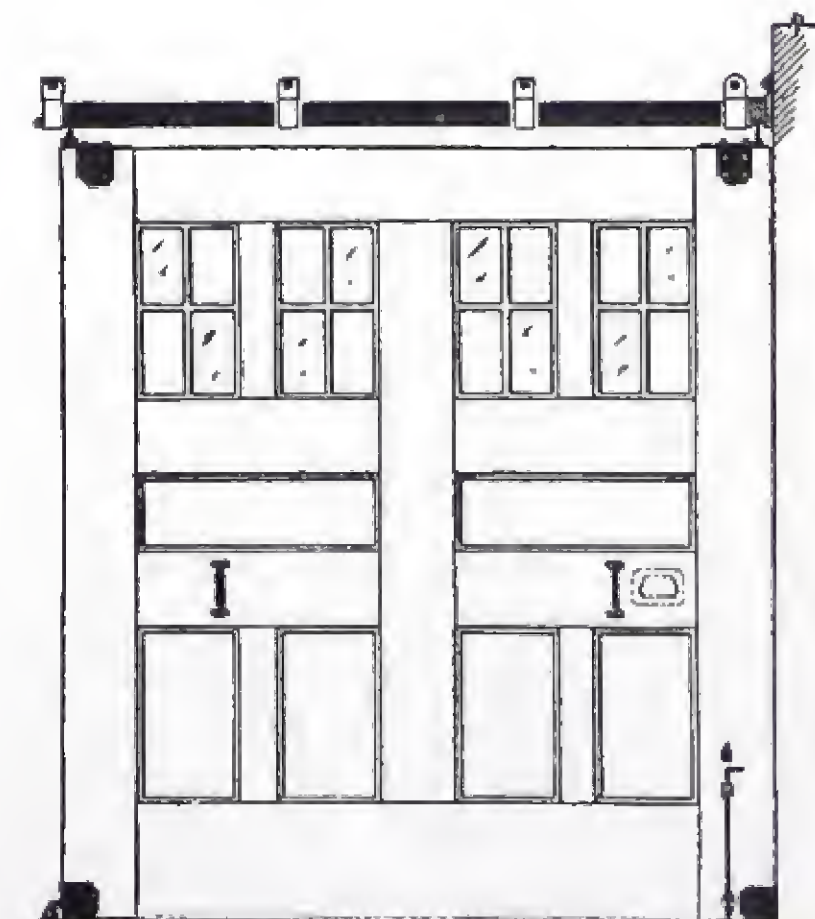


Fig. A-800 — Interior elevation showing Set CC-1, including one 524 Cane Bottom Bolt.

SlydaSyde No. 235 Right Angle Garage Door Hardware

Patented

Double Door Sets "D" and "DD"

For opening adjacent to side wall, with Straight Track and Patented Corner Bracket

Maximum distance from edge of door (not edge of opening) when closed, to side wall, $2\frac{1}{8}$ " for No. 31 Track, $2\frac{7}{8}$ " for Nos. 232 and 33 Tracks.

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows: "DD" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each. $1\frac{3}{4}$ " to $2\frac{1}{4}$ " thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea. $1\frac{3}{4}$ " to $2\frac{1}{2}$ " thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea. $1\frac{3}{4}$ " to $2\frac{3}{4}$ " thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set DD-1, to lock doors from inside only, including 2 No. 524 Cane Bottom Bolts (page 121)	\$29.00	75	\$46.10	136	\$54.00	151
Opening up to 8' wide.....	30.00	78	47.35	141	55.75	157
Opening 8'1" to 9' wide.....	31.00	81	48.60	146	57.50	163
Opening 9'1" to 10' wide.....						
Set DD-3, to lock doors from inside only, including 2 No. 516 Door Bolts (page 122). Minimum lap of door over jamb is 2 inches. Minimum width of jamb for 31 track is $3\frac{3}{4}$ "; for No. 232 track $3\frac{1}{2}$ "; for No. 33 track $3\frac{3}{4}$ ".	31.25	76	48.10	135	56.00	150
Opening up to 8' wide.....	32.25	79	49.35	140	57.75	156
Opening 8'1" to 9' wide.....	33.25	82	50.60	145	59.50	162
Opening 9'1" to 10' wide.....						
Set DD-4, to lock doors from inside and outside, including 1 No. 524 Cane Bottom Bolt (page 121), and 1 No. 825 Door Lock (page 118). Minimum lap of door over jamb is $1\frac{1}{8}$ ". Minimum width of jamb for 31 track is $2\frac{3}{8}$ "; for No. 232 track $2\frac{5}{8}$ "; for No. 33 track $2\frac{1}{8}$ ".	31.50	75	48.60	136	56.50	150
Opening up to 8' wide.....	32.50	78	49.85	141	58.25	156
Opening 8'1" to 9' wide.....	33.50	81	51.10	146	59.50	162
Opening 9'1" to 10' wide.....						
Set DD-6, to lock doors from inside and outside, including 1 No. 516 Door Bolt (page 122), and 1 No. 825 Door Lock (page 118). Minimum lap of door over jamb is 2 inches. Minimum width of jamb for 31 track is $3\frac{3}{4}$ "; for No. 232 track $3\frac{1}{2}$ "; for No. 33 track $3\frac{3}{4}$ ".	32.75	76	49.85	136	56.75	151
Opening up to 8' wide.....	33.75	78	51.10	141	58.50	157
Opening 8'1" to 9' wide.....	34.75	82	52.35	146	60.25	163
Opening 9'1" to 10' wide.....						

Notes—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132, for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance doors lap on jambs. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" DD-1 for No. 31 Track. Opening 8 feet wide. Doors $1\frac{3}{4}$ inches thick. Doors lap 2 inches on jambs.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Double Door Complete Sets "DD" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each $1\frac{3}{4}$ " to $2\frac{1}{4}$ " thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each $1\frac{3}{4}$ " to $2\frac{1}{2}$ " thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each $1\frac{3}{4}$ " to $2\frac{3}{4}$ " thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	235-1	Page 47	235-7	Page 47	235-2	Page 47
2 Hangers, Ball Bearing Swivel.....	235-3	"	235-8	"	235-4	"
*3 Runs Trolley Track.....	31	"	232	"	33	"
2 Brackets, End Track.....	235-2x31	"	235-2x232	"	235-2x33	"
**7 Brackets, Center Track.....	235-1x31	"	235-1x232	"	235-1x33	"
2 Brackets, Corner Track.....	235x31-C	"	235x232-C	"	235x33-C	"
4 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Drop Handle.....	170	"	170	"	170	"
2 Floor End Stops.....	272	"	272	"	272	"
1 Center Floor Guide.....	271	"	271	"	271	"
8 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
2 Cane Bottom Bolts (For use with DD-1 sets).....	524-1	121	524-2	121	524-2	121
or 2 Door Bolts (For use with DD-3 sets).....	516	122	516	122	516	122
1 Cane Bottom Bolt.....	524-1	121	524-2	121	524-2	121
and 1 Door Lock (For use with DD-4 sets).....	825	118	825	118	825	118
1 Door Bolt.....	516	122	516	122	516	122
and 1 Door Lock (For use with DD-6 sets).....	825	117	825	117	825	117

Notes—* 3 runs of track (1 run equals approximately width of opening. 2 runs equal one-half width of opening plus approximately one foot). ** For opening over 10' wide, add 3 extra Center Brackets for each additional 2' of opening.

Double Door "D" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted.

Includes Brackets for opening 10 feet wide. For opening adjacent to side walls.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices.

For No. 31 Track, per set \$21.25. Shipping weight 40 pounds.

For No. 33 Track, per set \$34.25. Shipping weight 87 pounds.

For No. 232 Track, per set 30.15. Shipping weight 78 pounds.

Example Order—1 Set "SlydaSyde" D for No. 31 Track.

Headroom Required

See "A" of Fig. A—804 (opposite page).

For No. 31 Track..... $6\frac{3}{8}$ "

For No. 232 Track..... $7\frac{9}{8}$ "

For No. 33 Track..... 8"

A further reduction of $\frac{1}{8}$ " in headroom may be secured by sinking hanger aprons into top of door.

Discount.....

SlydaSyde

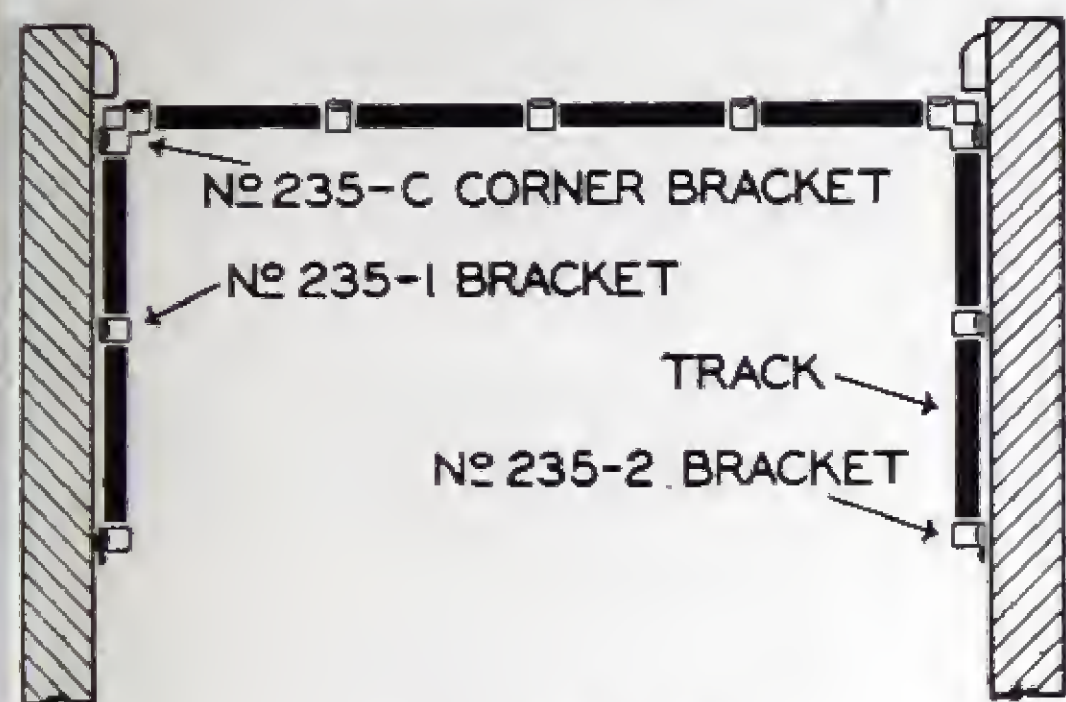
Patented

R-W No. 235

Right Angle Garage Door Hardware

"D" and "DD" Double Door Sets

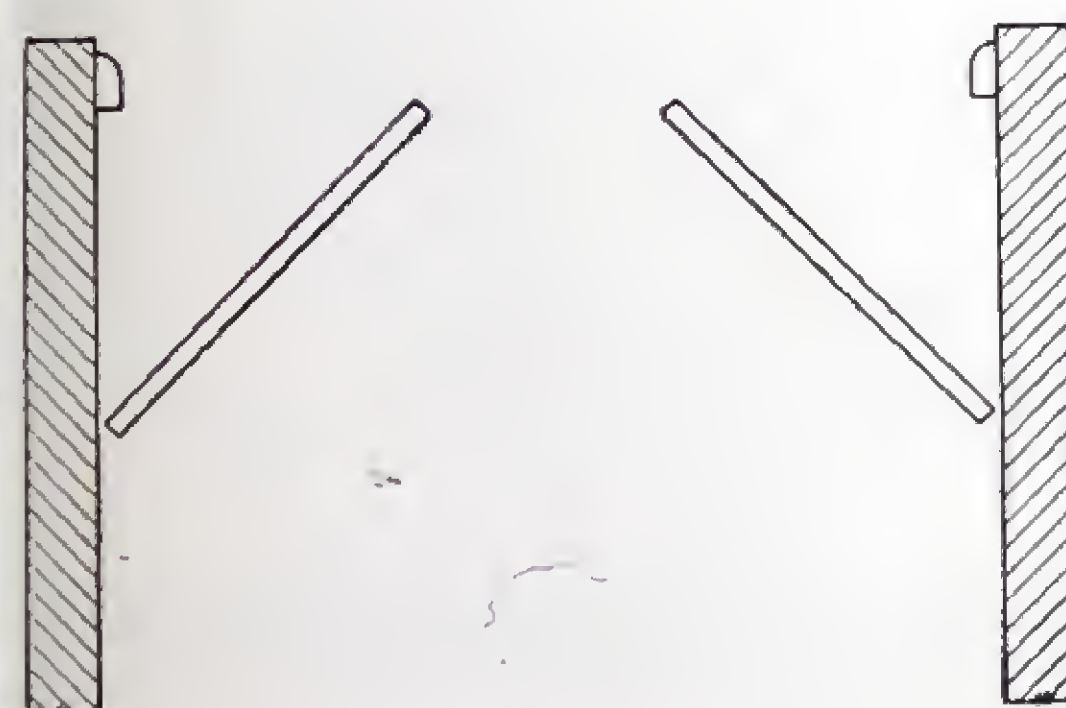
For Opening Adjacent to Side Walls with Straight Track,
and No. 235 Patented Corner Brackets.



Plan of Tracks



Doors Closed



Doors Partly Open



Doors Wide Open and at Right Angles to
Front Wall

Fig. A-801—Floor Plans.

For
Headroom Required
See Table
On Page 53

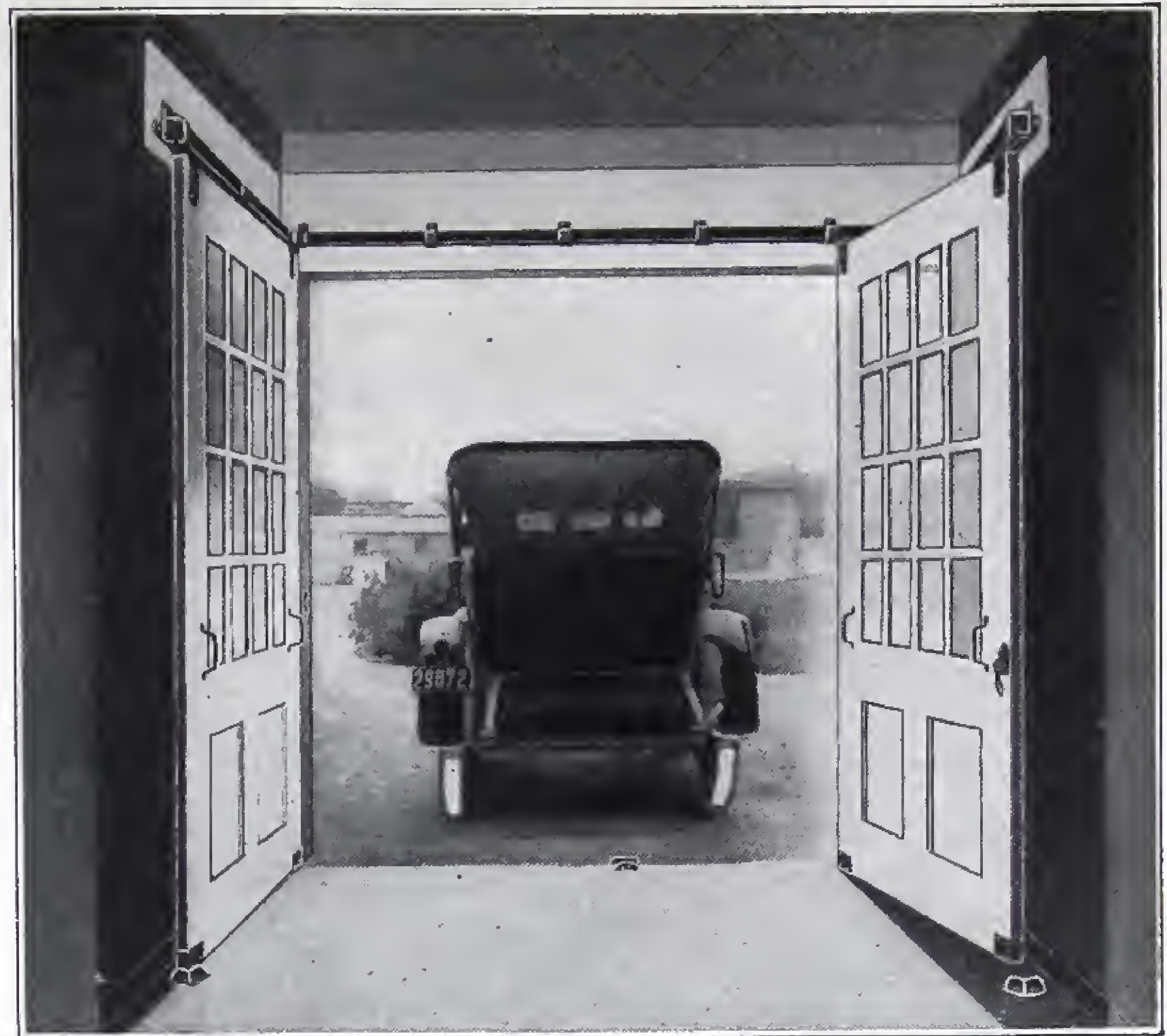


Fig. A-802—Interior of garage doorway showing Double Doors equipped
with "SlydaSyde" DD hardware.

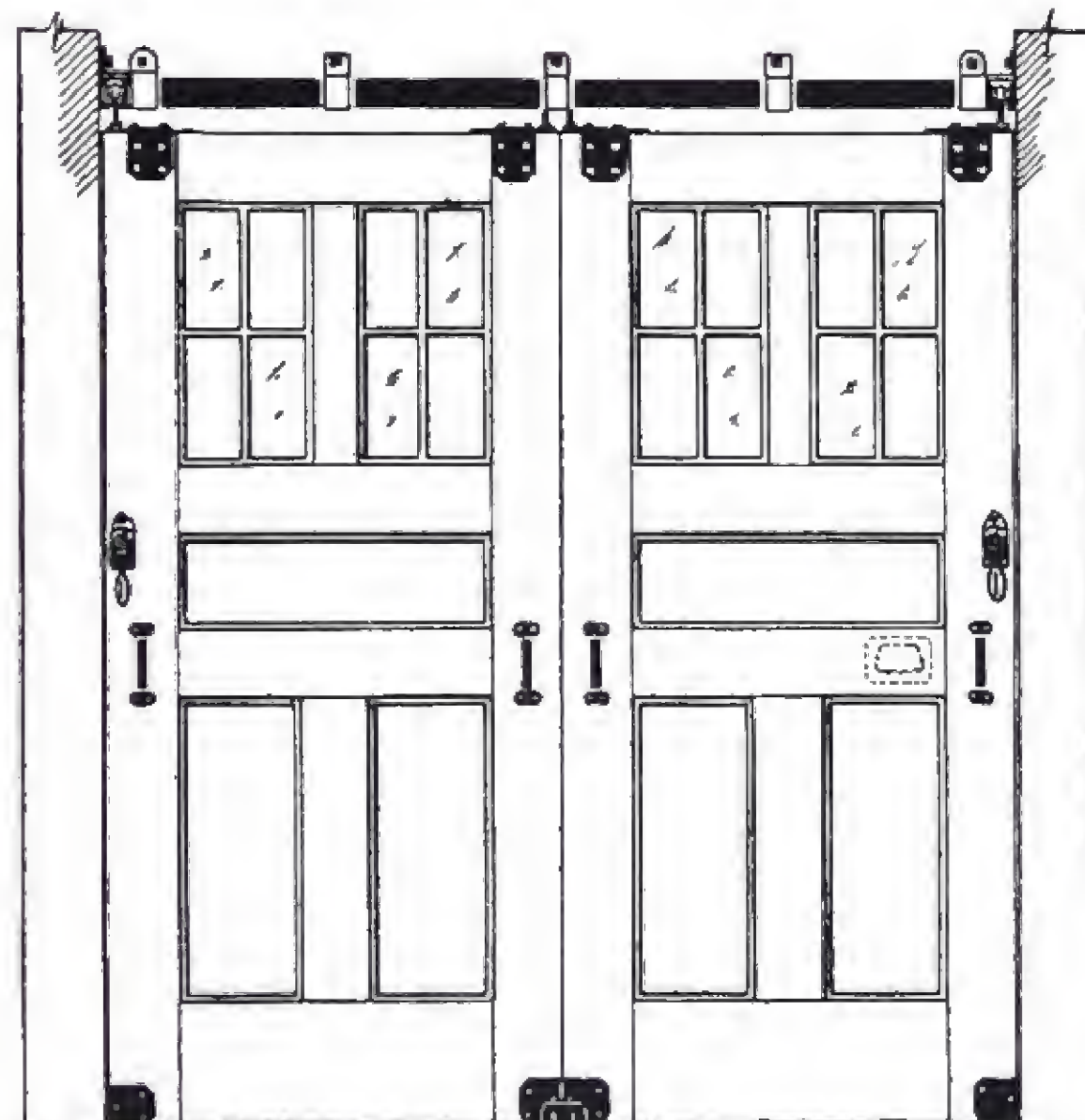


Fig. A-803—Interior elevation showing Set DD-3,
including two 516 Door Bolts.

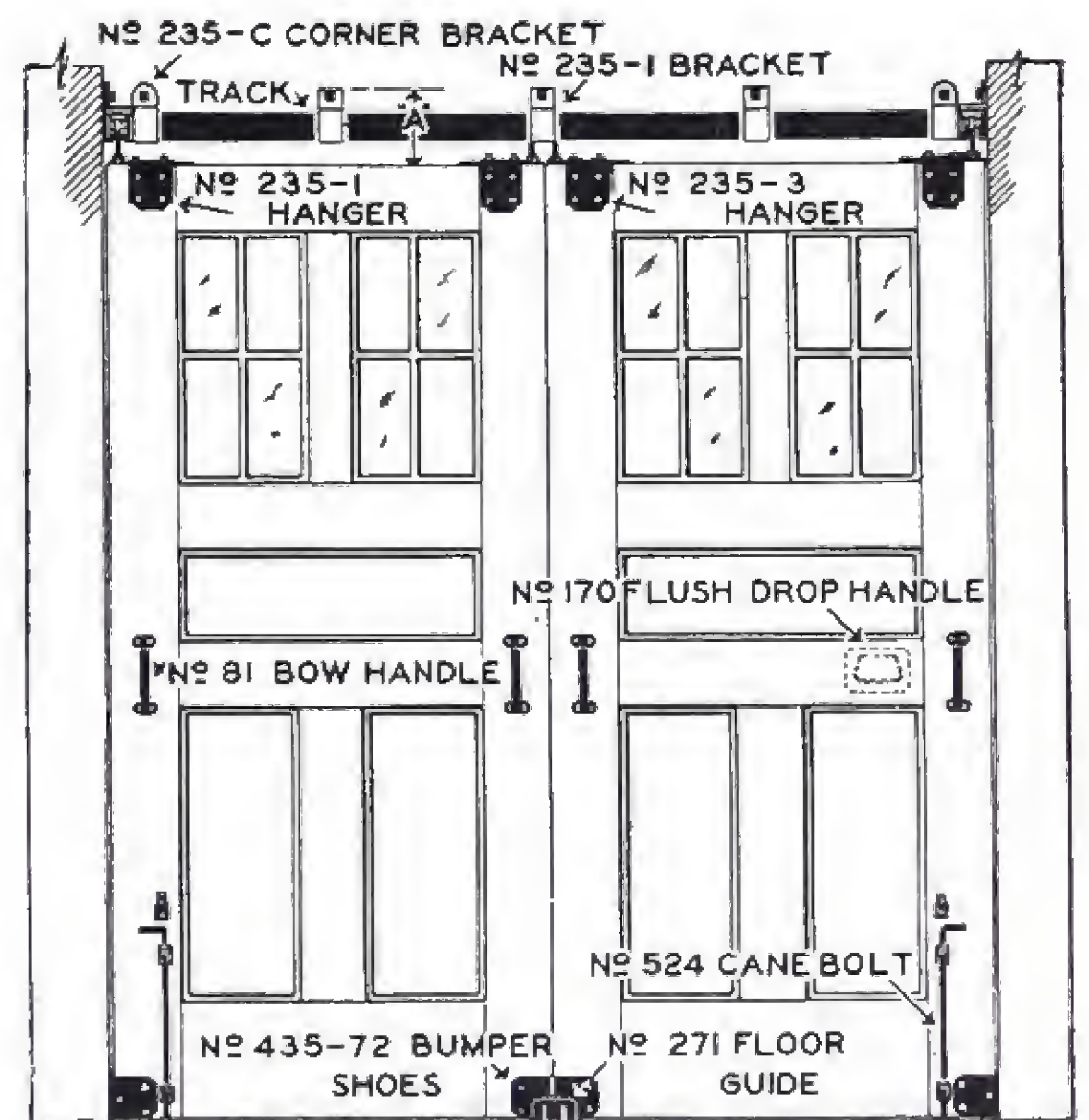


Fig. A-804—Interior elevation showing proper
location and names of 235 Parts for DD-1
Sets, including two 524 Cane Bottom Bolts.



Fig. A-805—Interior elevation showing Set
DD-4, including one 524 Cane Bottom Bolt
and one 825 Door Lock.

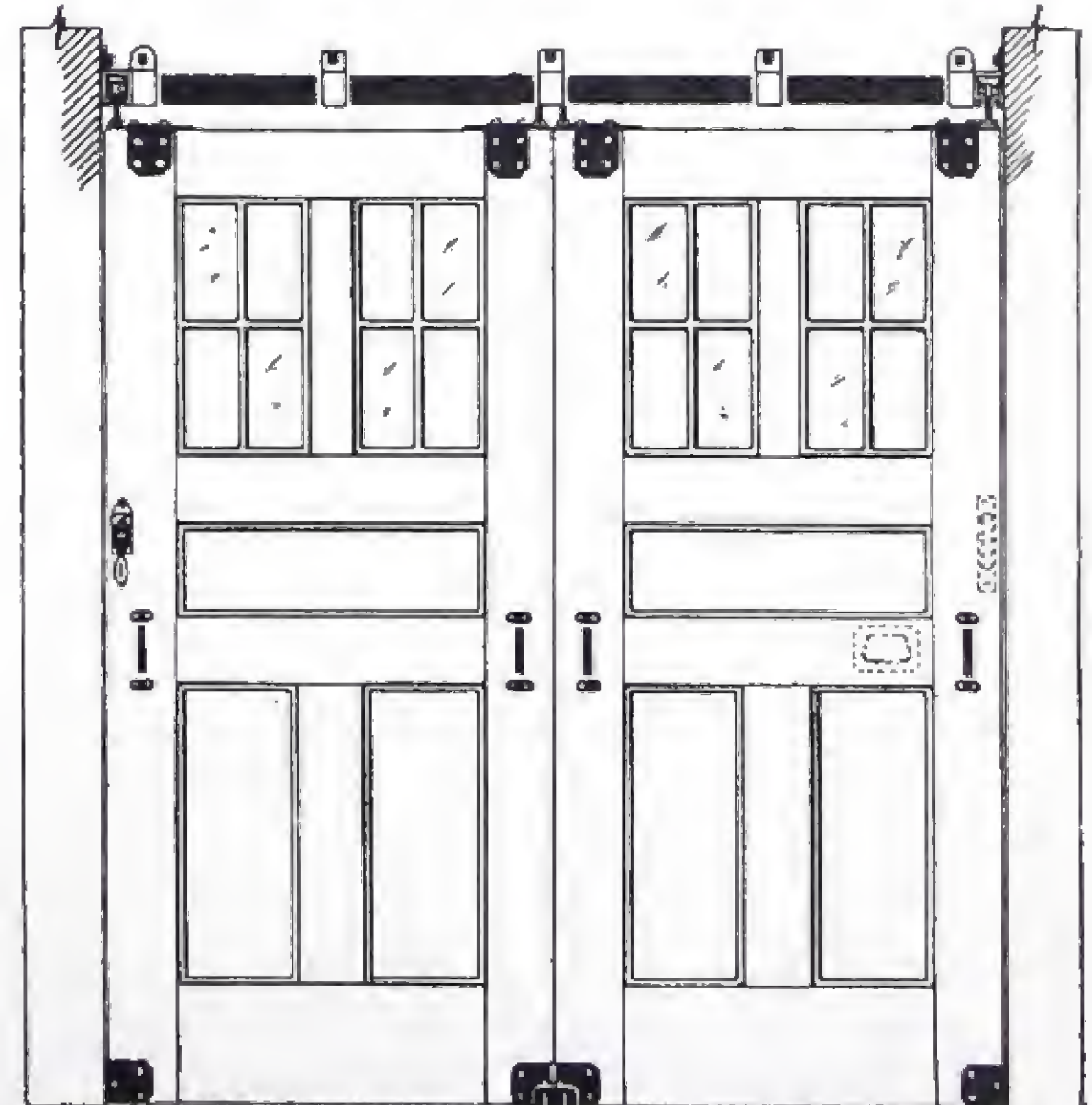


Fig. A-806—Interior elevation showing Set
DD-6, including one 516 Door Bolt and one
825 Door Lock.



R-W No. 235

Right Angle Garage Door Hardware

Single Door Sets "E" and "EE" with Curved Corner Track

Minimum distance from jamb to side wall is 26"—hardware suitable for less space shown on pages 48-49 and 52-53.

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: "EE" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set EE-1. to lock doors from inside only, including 1 No. 524 Cane Bottom Bolt (page 121).						
Opening up to 8' wide.....	\$25.60	67	\$39.75	113	\$48.10	130
Opening 8'1" to 9' wide.....	26.60	70	41.00	118	49.85	136
Opening 9'1" to 10' wide.....	27.60	73	42.25	123	51.60	142
Set EE-3. to lock doors from inside only, including 1 No. 516 Door Bolt (page 122). Minimum lap of door over jamb is 2 inches						
Opening up to 8' wide.....	26.95	66	40.90	113	49.10	130
Opening 8'1" to 9' wide.....	27.95	69	42.15	118	50.85	136
Opening 9'1" to 10' wide.....	28.95	72	43.40	123	52.60	142
*Set EE-4. to lock doors from inside and outside, including 1 No. 525 Door Lock (page 117).						
Opening up to 8' wide.....	29.35	67	42.25	113	50.60	130
Opening 8'1" to 9' wide.....	30.35	70	43.50	118	52.35	136
Opening 9'1" to 10' wide.....	31.35	73	44.75	123	54.10	142

Notes—* When the No. 525 Door Lock is attached to the front edge of the door, it is advisable, though not necessary, to use the No. 635 Floor Guide (listed page 71), to hold the back edge of the door tight against the casing. Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance between jamb and side wall. Distance door laps on jamb. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" EE-3 for No. 31 Track. Opening 8 feet wide. Doors 1 3/4 inches thick. 30 inches between jamb and side wall. Doors lap 2 inches on jamb.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Single Door Complete Sets "EE" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	235-5	Page 47	235-9	Page 47	235-6	Page 47
*2 Runs Trolley Track.....	31	"	232	"	33	"
1 Pc. Curved Trolley Track, 24" Rad. 90 deg.....	31	"	232	"	33	"
2 Brackets, End Track.....	235-2x31	"	235-2x232	"	235-2x33	"
†9 Brackets, Center Track.....	235-1x31	"	235-1x232	"	235-1x33	"
2 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Drop Handle.....	170	"	170	"	170	"
2 Floor End Stops.....	272	"	272	"	272	"
4 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
1 Cane Bottom Bolt (For use with EE-1 sets).....	524-1	121	524-2	121	524-2	121
or 1 Door Bolt (For use with EE-3 sets).....	516	122	516	122	516	122
or 1 Door Lock (For use with EE-4 sets).....	525	117	525	117	525	117

Notes—* Two runs of track (1 run equals width of opening plus distance from jamb to side wall, minus 2', 1 run equals width of opening). †For openings over 10' wide, add 2 extra Center Brackets for each additional foot of opening.

Single Door "E" Short Sets

Packed in one Box Complete Except that Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 10 feet wide. Diagrams on Next Page Show Installation Details.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:

For No. 31 Track, per set \$19.00. Shipping weight 32 pounds.

For No. 33 Track, per set \$33.20. Shipping weight 64 pounds.

For No. 232 Track, per set 28.00. Shipping weight 55 pounds.

Example Order—1 Set "SlydaSyde" E for No. 33 Track.

Discount.....

SlydaSyde Right Angle Garage Door Hardware

Patented

with Curved Corner Track, "E" and "EE" Single Door Sets

Minimum Distance from Jamb to Side Wall 26 Inches—Hardware Suitable for Less Space
Shown on pages 48-49 and 52-53

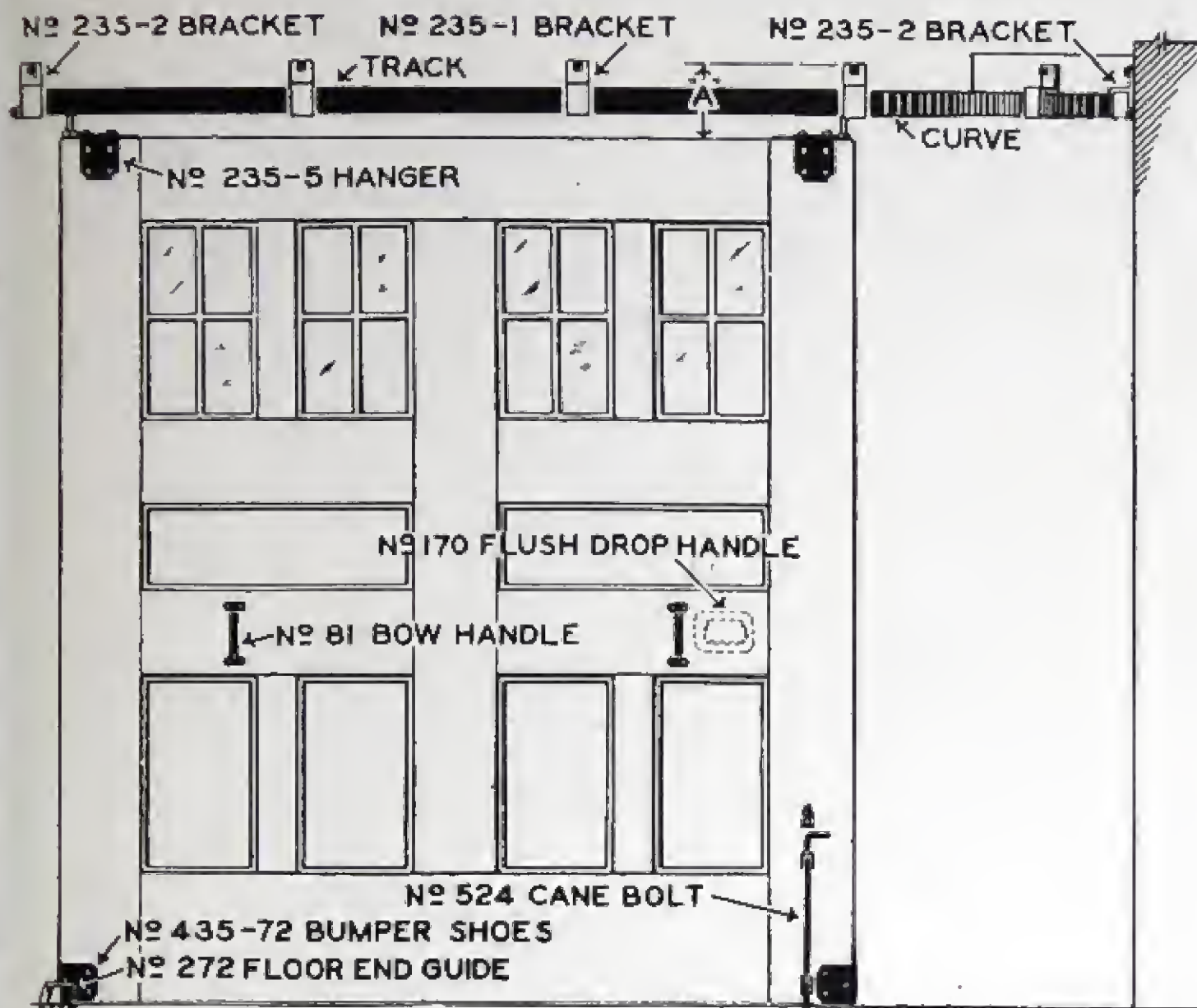


Fig. A-807—235-EE-1 Set

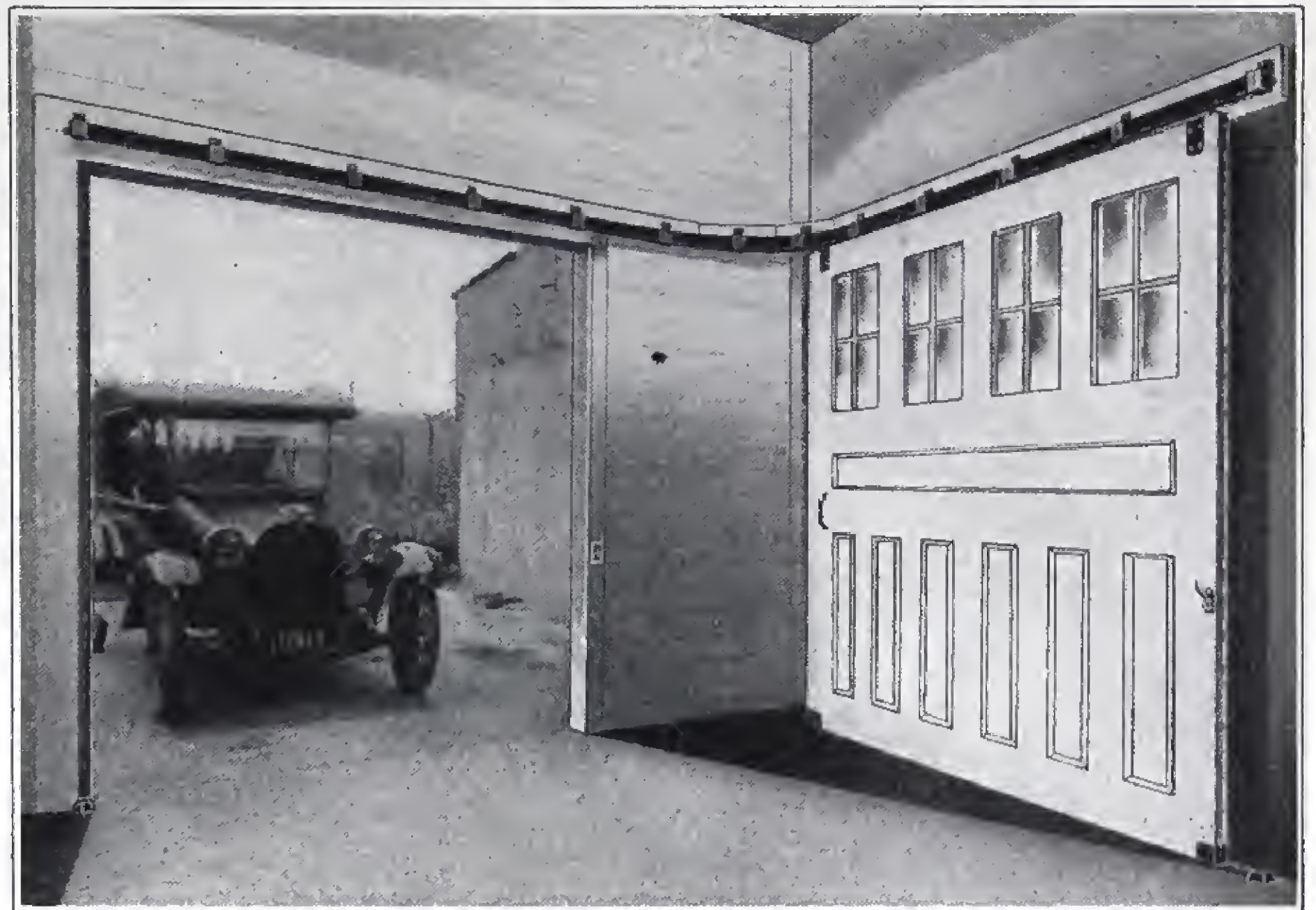


Fig. A-810—Interior View. Both Hangers Roll Around the Curved Track.

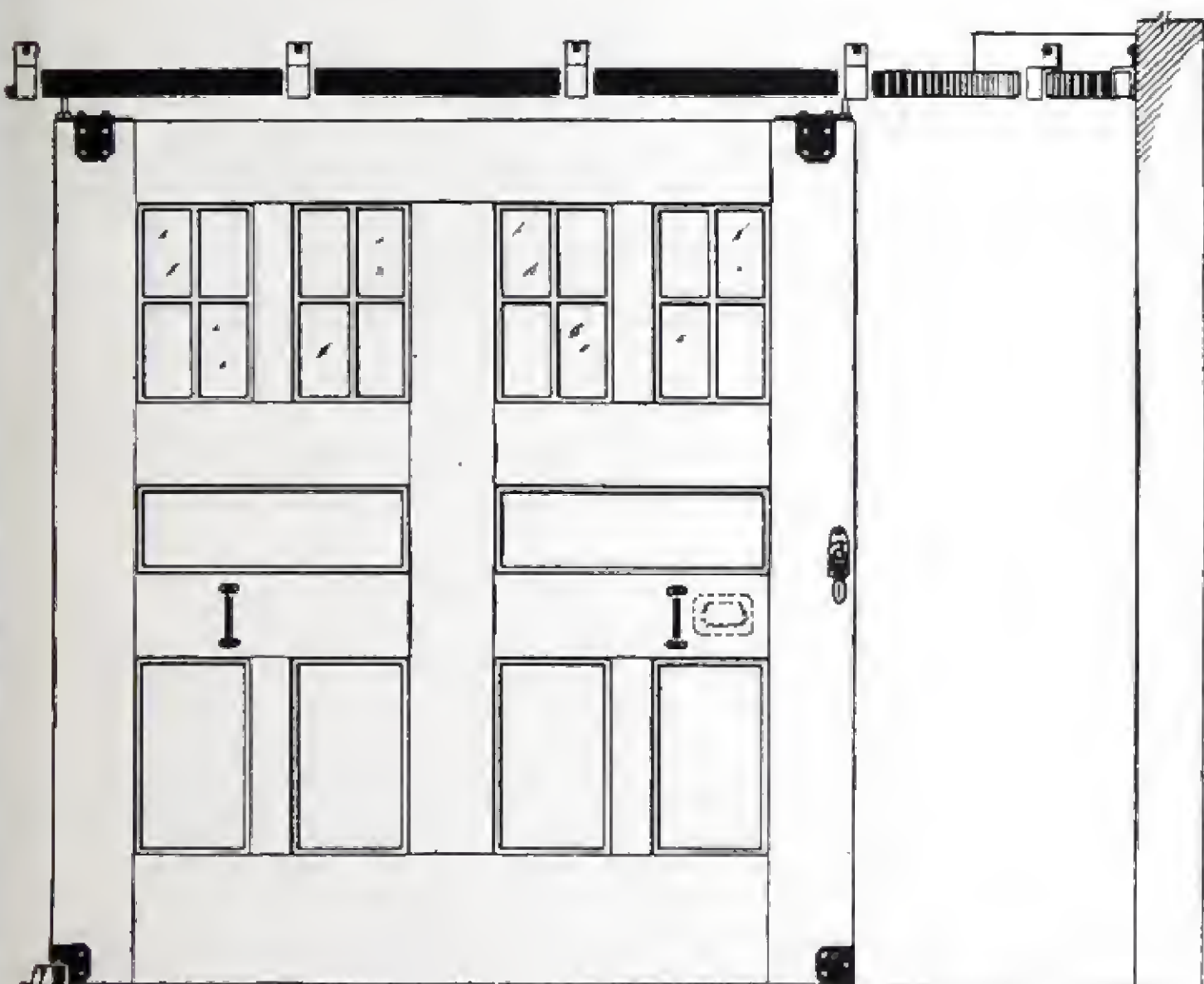
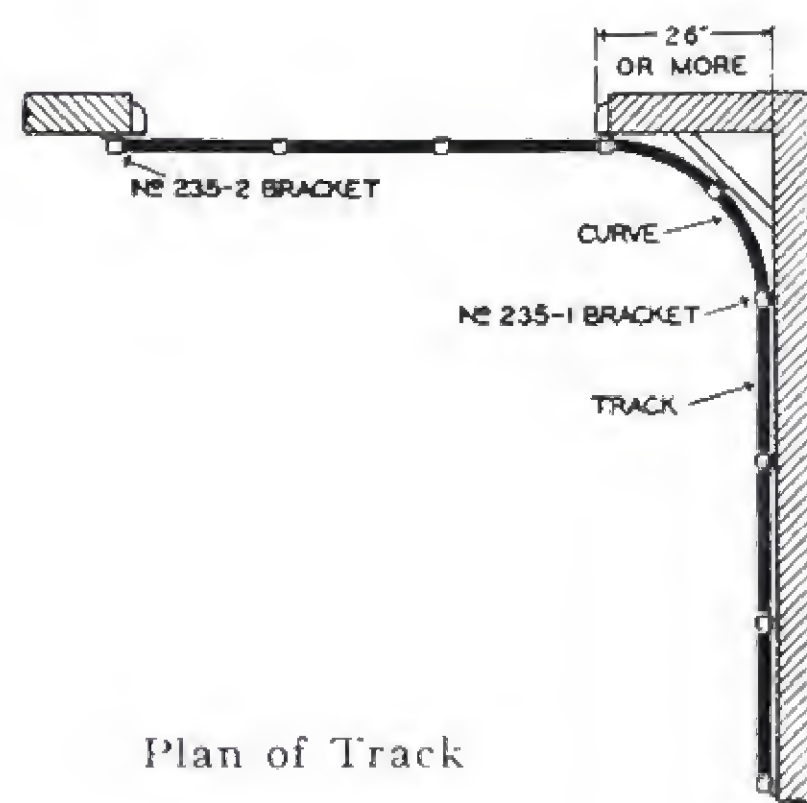


Fig. A-808—235-EE-3 Set



Plan of Track

Fig. A-807

Interior elevation showing proper location and names of 235 Parts for EE-1 Sets, including one 524 Cane Bottom Bolt.

Fig. A-808

Interior elevation showing Set EE-3, including one 516 Door Bolt.

Fig. A-809

Interior elevation showing Set EE-4, including one 525 Door Lock.

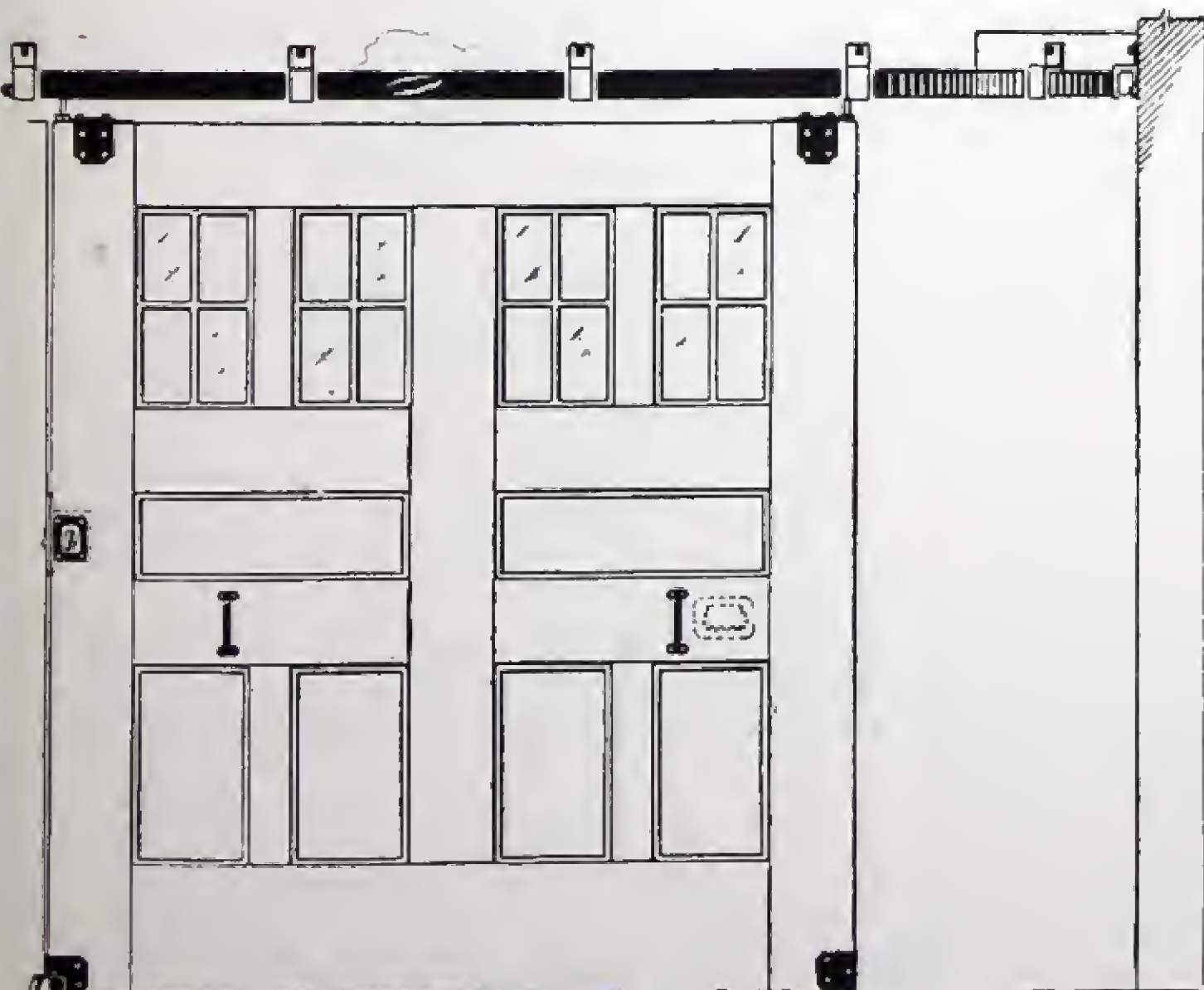


Fig. A-809—235-EE-4 Set

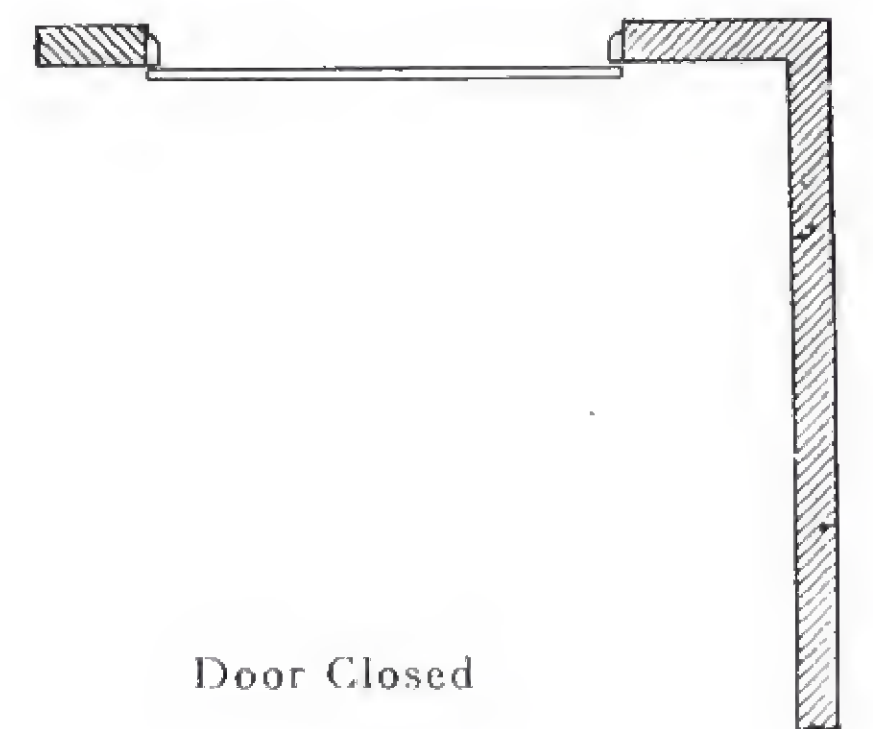
Headroom Required

See "A" of Fig. A-807

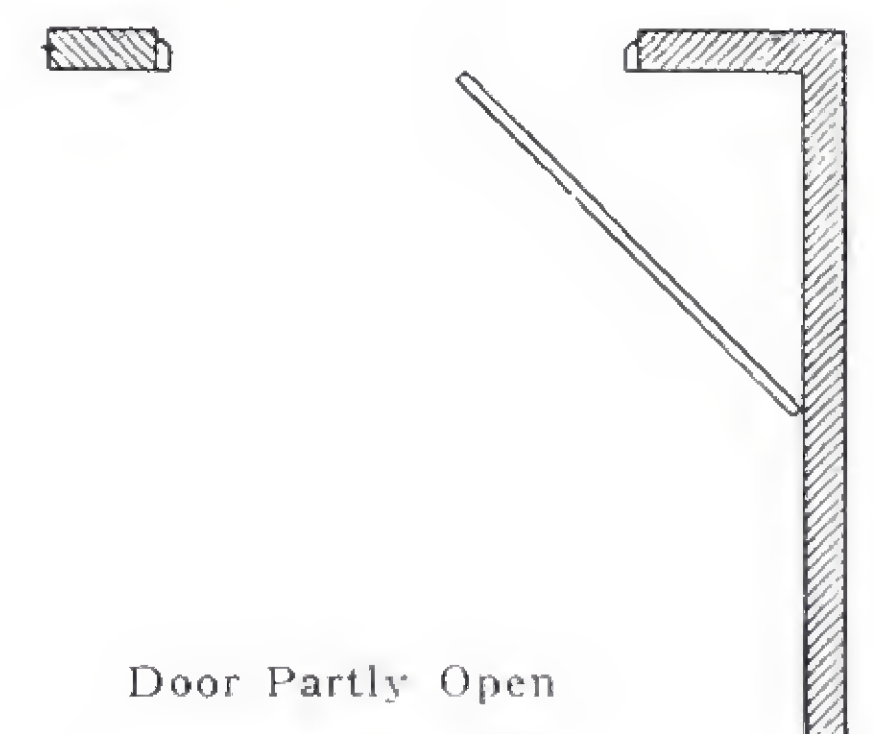
For No. 31 Track.....	6 3/8 inches
For No. 232 Track.....	7 7/8 inches
For No. 33 Track.....	8 1/4 inches

Headroom may be decreased 7/8" on Nos. 31 and 232 Track Equipments, and 1 1/4" on No. 33 Track Equipment, by using No. 7 style ceiling track brackets. A further reduction of 5/8" in headroom may be secured by sinking the hanger aprons into the top of the door.

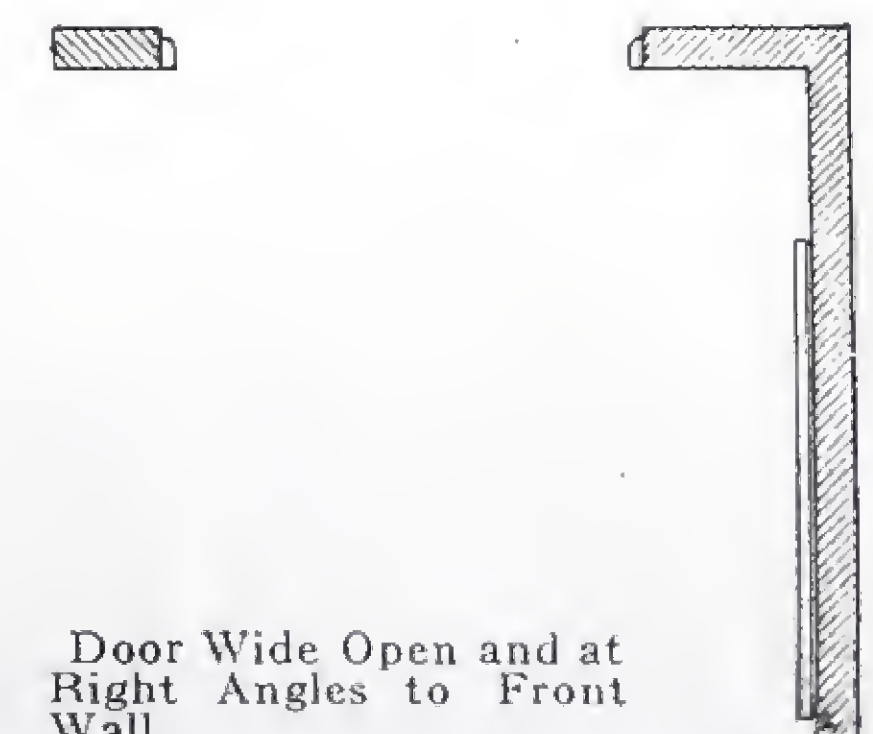
Location of Bolt Holes and Bracket Spacings are given on page 114.



Door Closed



Door Partly Open



Door Wide Open and at Right Angles to Front Wall

Fig. A-811—Floor Plans



R-W No. 235

Right Angle Garage Door Hardware

Double Door Sets "F" and "FF"

Minimum distance from jamb to side wall is 26"—Hardware suitable for less space shown on pages 50-51 and 54-55.

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: "FF" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set FF-1, to lock doors from inside only, including 2 No. 524 Cane Bottom Bolts (page 121)						
Opening up to 8' wide.....	\$40.50	88	\$61.00	148	\$71.00	168
Opening 8'1" to 9' wide.....	41.50	91	62.25	153	72.75	174
Opening 9'1" to 10' wide.....	42.50	94	63.50	158	74.50	180
Set FF-2, to lock doors from inside only, including 2 No. 516 Door Bolts (page 122) Minimum lap of door over jamb is 2 inches.						
Opening up to 8' wide.....	43.20	87	63.30	147	73.40	167
Opening 8'1" to 9' wide.....	44.20	90	64.55	152	75.15	173
Opening 9'1" to 10' wide.....	45.20	93	65.80	157	76.90	179
*Set FF-3, to lock doors fom inside and outside, including 1 No. 524 Cane Bottom Bolt (page 121), and 1 No. 525 Door Lock (page 117).						
Opening up to 8' wide.....	41.80	89	63.80	148	73.70	168
Opening 8'1" to 9' wide.....	42.80	92	64.85	153	75.45	173
Opening 9'1" to 10' wide.....	43.80	95	66.10	158	77.20	180
*Set FF-4, to lock doors from inside and outside, including 1 No. 516 Door Bolt (page 122), and 1 No. 525 Door Lock (page 117). Minimum lap of door over jamb is 2 inches.						
Opening up to 8' wide.....	44.60	89	64.70	148	74.80	168
Opening 8'1" to 9' wide.....	45.60	92	65.95	153	76.55	173
Opening 9'1" to 10' wide.....	46.60	95	67.20	158	78.30	180

Notes—* When the No. 525 Lock is attached to the front edge of the door it is advisable, though not necessary, to use the No. 635 Floor Guide to hold the back edge of the door tight against the casing. If the floor guides are used on both sides of the opening the No. 524 and No. 516 Bolts can be omitted. Deduct the detailed list price of the omitted bolts from the price of the set, and add the price of the No. 635 Floor Guide Equipment (listed on page 127). Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance between jamb and side walls on each side. Distance doors lap on jambs. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" FF-3 for No. 31 Track. Opening 8 feet wide. Doors 1 3/4 inches thick. Distance between jamb and side wall, 30 inches on right side; 28 inches on left side. Doors lap 2 inches on jamb.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details.

Quantity of Hardware Required for Double Door Complete Sets "FF" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Roller Bearing.....	235-5	Page 47	235-9	Page 47	235-6	Page 47
2 Hangers, Ball Bearing Swivel.....	235-3	"	235-8	"	235-4	"
*3 Runs Trolley Track.....	31	"	232	"	33	"
2 Pcs. Curved Trolley Track, 24" Rad. 90 deg.....	31	"	232	"	33	"
2 Brackets, End.....	235-2x31	"	235-2x232	"	235-2x33	"
**10 Brackets, Center.....	235-1x31	"	235-1x232	"	235-1x33	"
1 Bracket, Center Stop.....	235-12x31-CS	"	235-12x232-CS	"	235-12x33-CS	"
4 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Stop Handle.....	170	"	170	"	170	"
1 Center Floor Guide.....	271	"	271	"	271	"
2 Floor End Stops.....	272	"	272	"	272	"
2 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
2 Cane Bottom Bolts (For use with FF-1 sets) or 2 Door Bolts (For use with FF-2 sets).....	524-1 516	121 122	524-2 516	121 122	524-2 516	121 122
1 Cane Bottom Bolt..... and 1 Door Lock (For use with FF-3 sets).....	524-1 525	121 117	524-2 525	121 117	524-2 525	121 117
1 Door Bolt..... and 1 Door Lock (For use with FF-4 Sets).....	516 525	122 117	516 525	122 117	516 525	122 117

Notes—* Three runs of trolley track (1 run equals width of opening plus distance from jambs to side walls, minus 4', 2 runs equal one-half width of opening. ** For openings over 10' wide, add three extra Center Brackets for each additional 2' of opening.

Double Door "F" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 10 feet wide. Diagrams on Next Page Show Installation Details.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:
For No. 31 track, per set \$33.00. Shipping weight 45 pounds.
For No. 232 track, per set 48.00. Shipping weight 76 pounds.
For No. 33 track, per set \$55.00. Shipping weight 85 pounds.
Example Order—1 Set "SlydaSyde" F for No. 31 track.

Discount.....

SlydaSyde

Patented

R-W No. 235

Right Angle Garage Door Hardware

Double Door Sets "FF"

Continued

With Curved Corner Track. Minimum Distance from Jamb to Side Wall, 26 Inches—Hardware Suitable for Less Space Shown on pages 50-51 and 54-55.

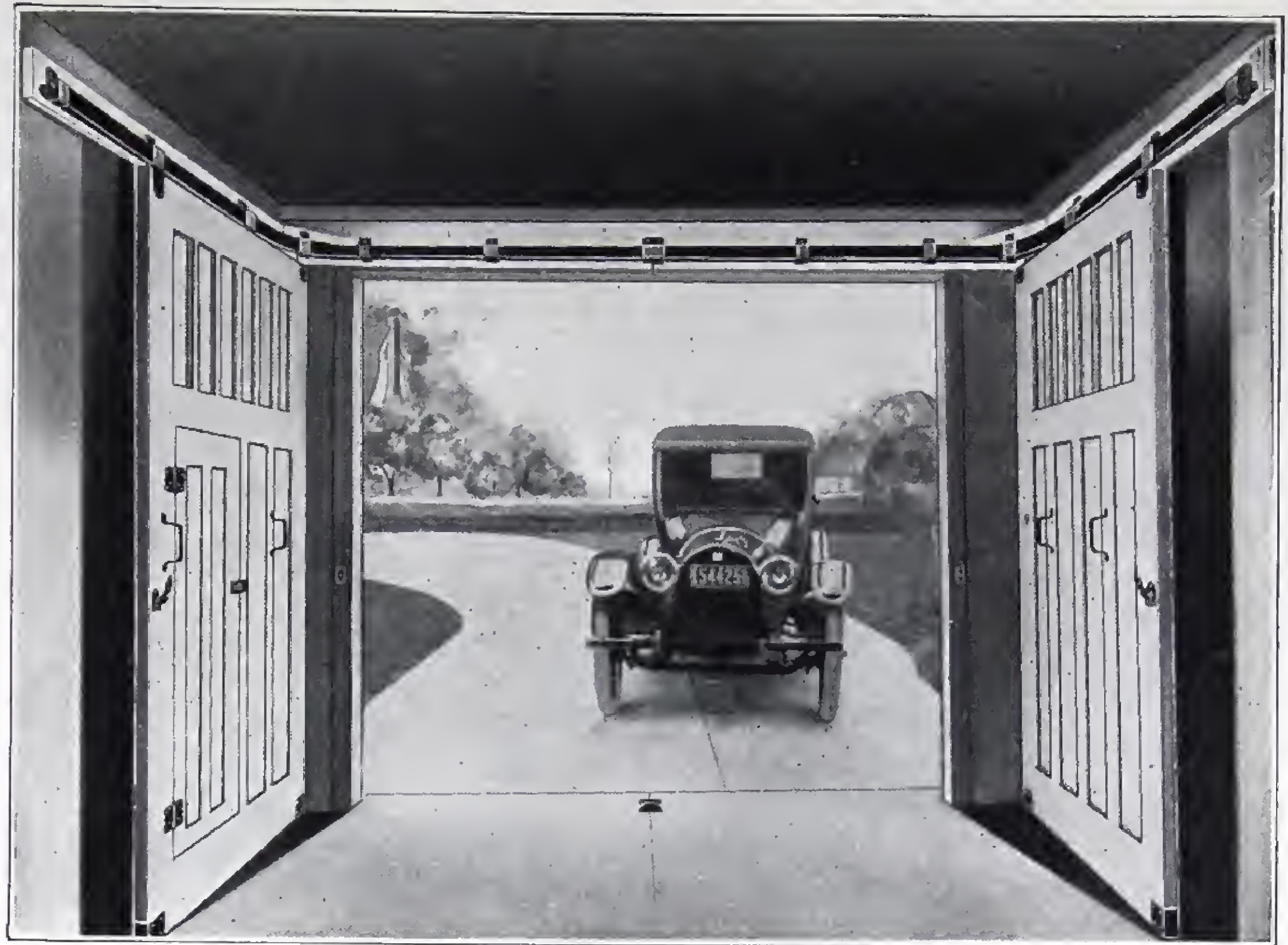


Fig. A-816—Interior View. Note the Wicket Entrance Door in Door on Left.

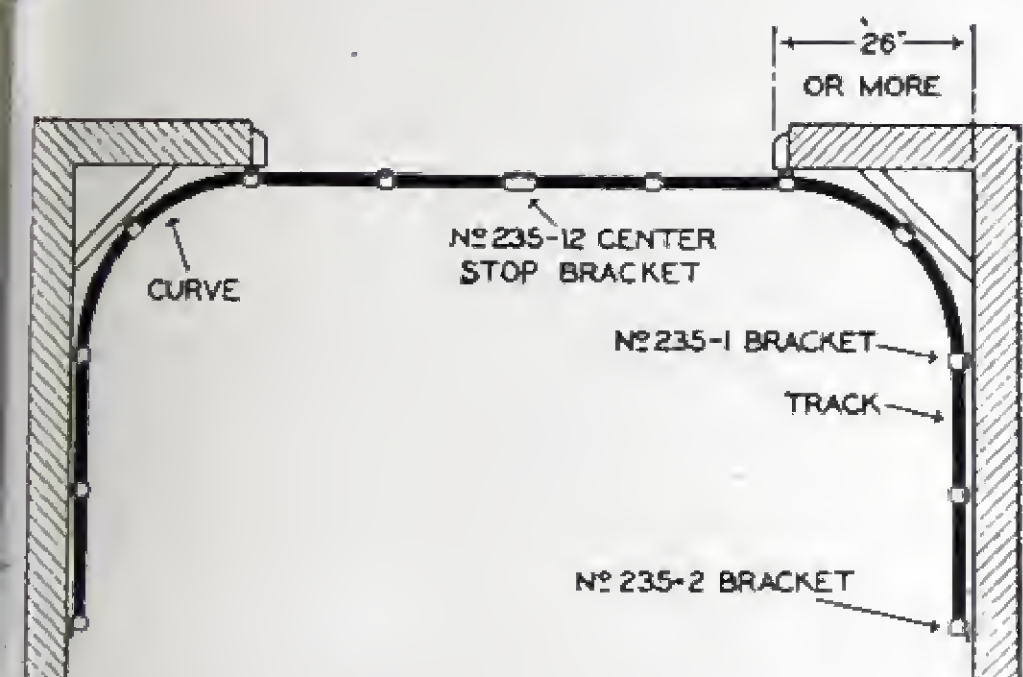
Headroom Required

See "A" of Fig. A-817

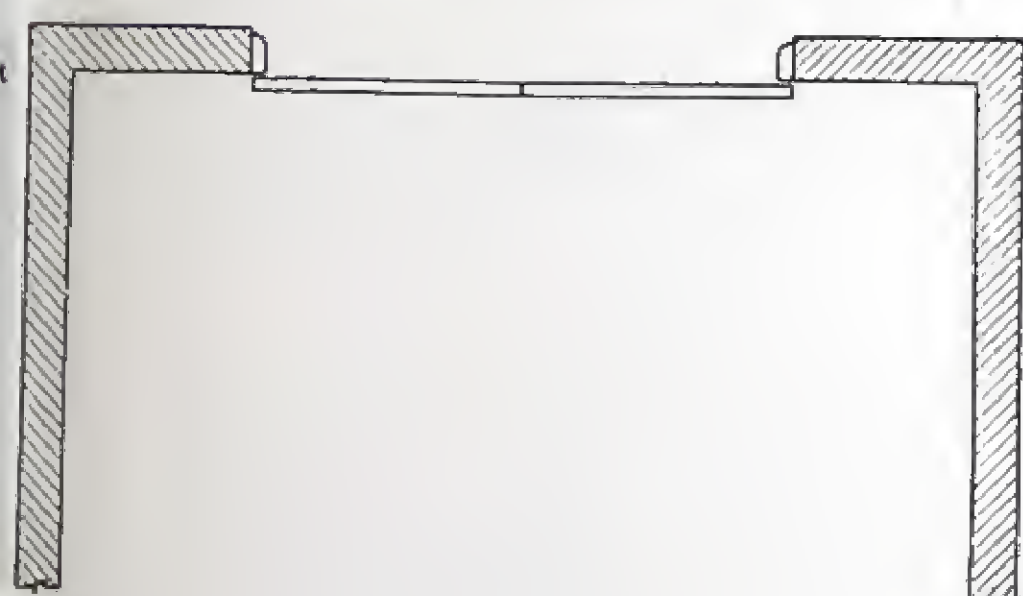
For No. 31 Track.....	6 ³ / ₈ inches
For No. 232 Track.....	7 ⁷ / ₈ inches
For No. 33 Track.....	8 ¹ / ₄ inches

Headroom may be decreased $\frac{1}{8}$ " on Nos. 31 and 232 Track Equipments, and $\frac{1}{4}$ " on No. 33 Track, by using No. 7 style ceiling track brackets. A further reduction of $\frac{5}{8}$ " in headroom may be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114.



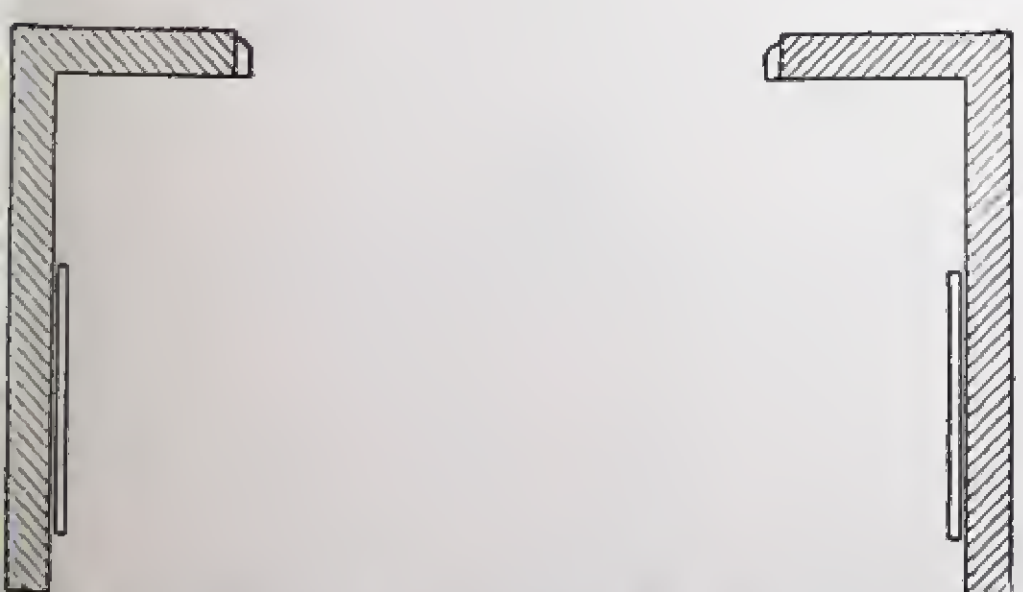
Plan of Track



Doors Closed



Doors Partly Open



Doors Open and at Right Angles to Front Wall

Fig. A-815—Floor Plans

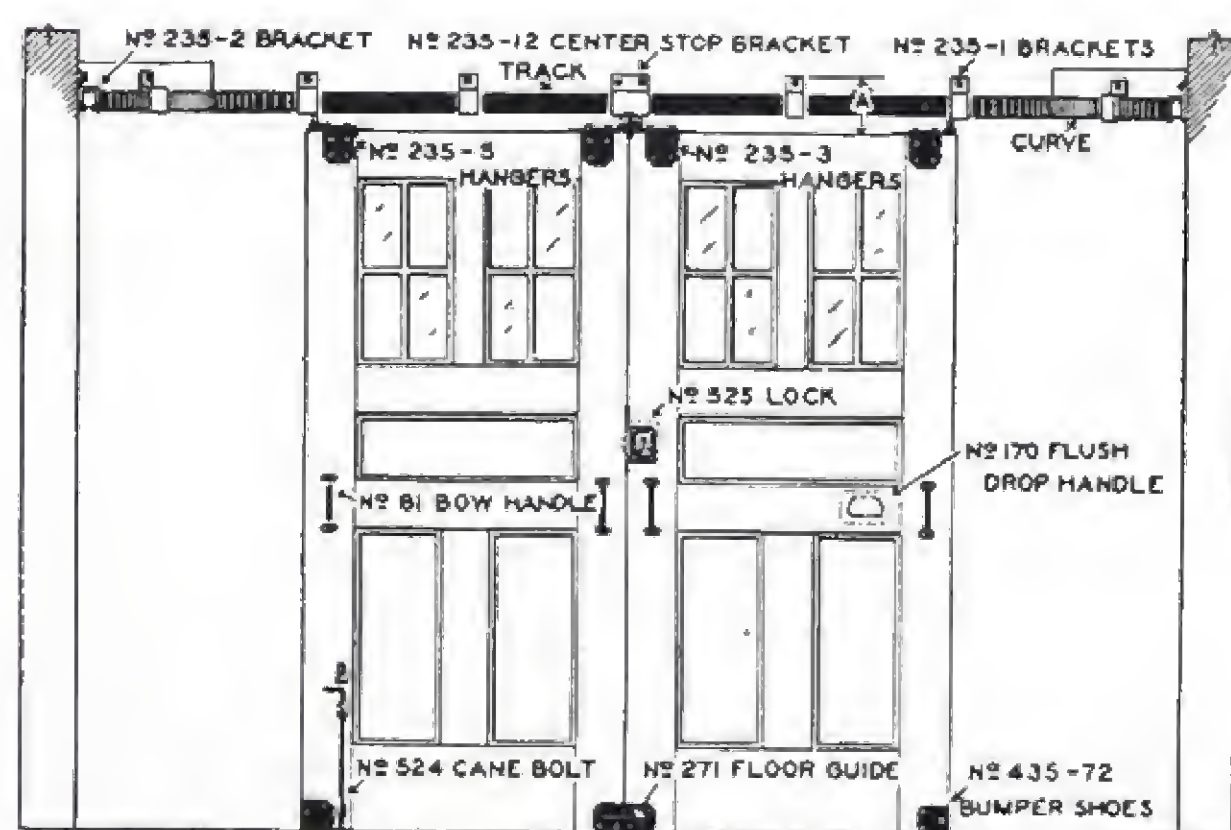


Fig. A-817—Interior elevation showing proper location and names of 235 Parts for FF-3 Set, including one 525 Lock and one 524 Cane Bottom Bolt.

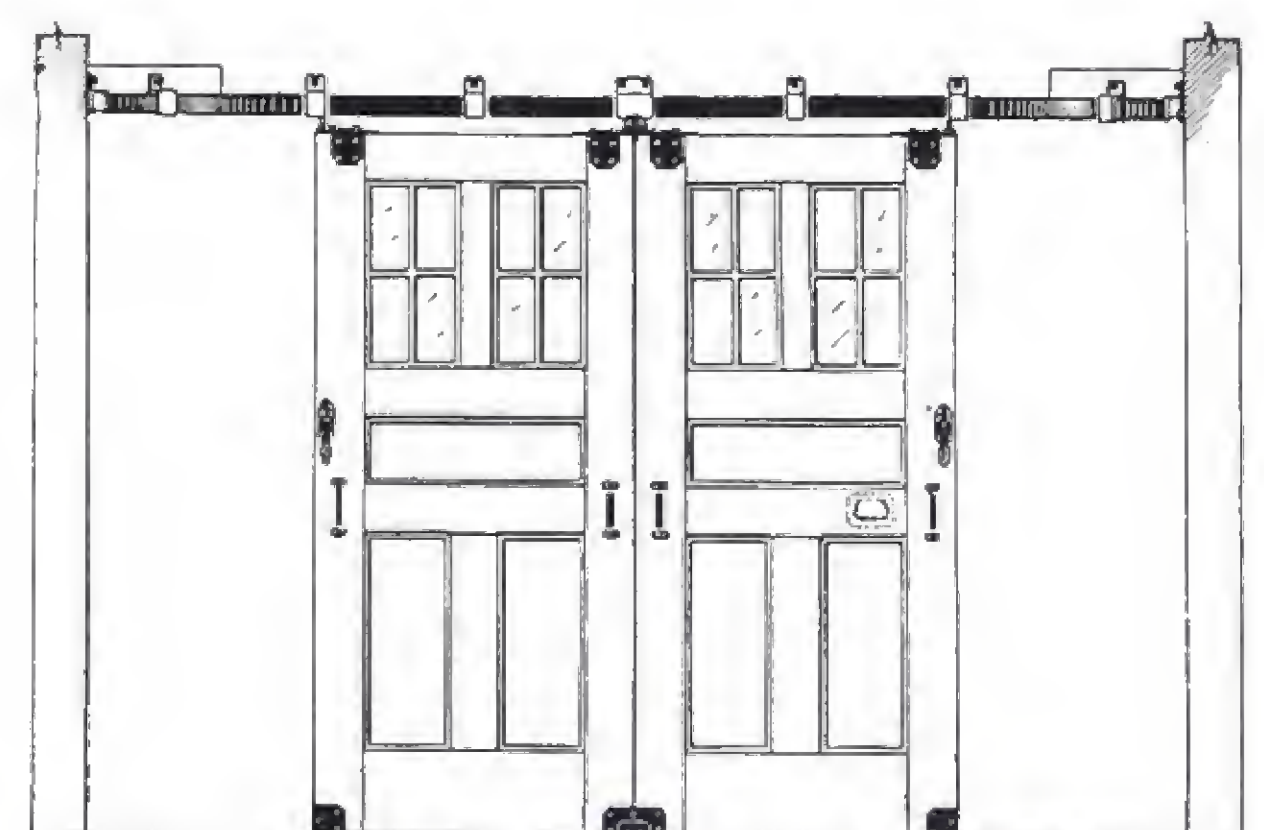


Fig. A-819—Interior elevation showing Set FF-2, including two 516 Door Bolts.

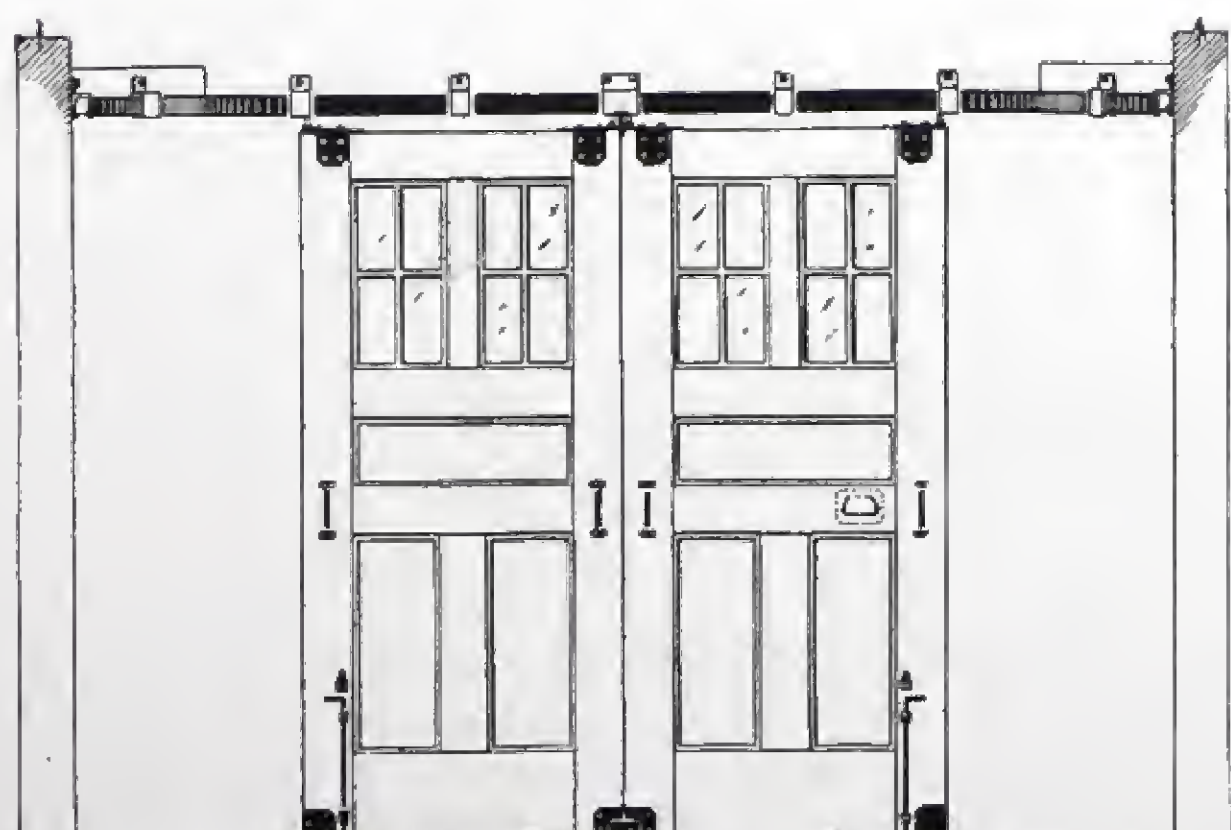


Fig. A-818—Interior elevation showing Set FF-1, including two 524 Cane Bottom Bolts.

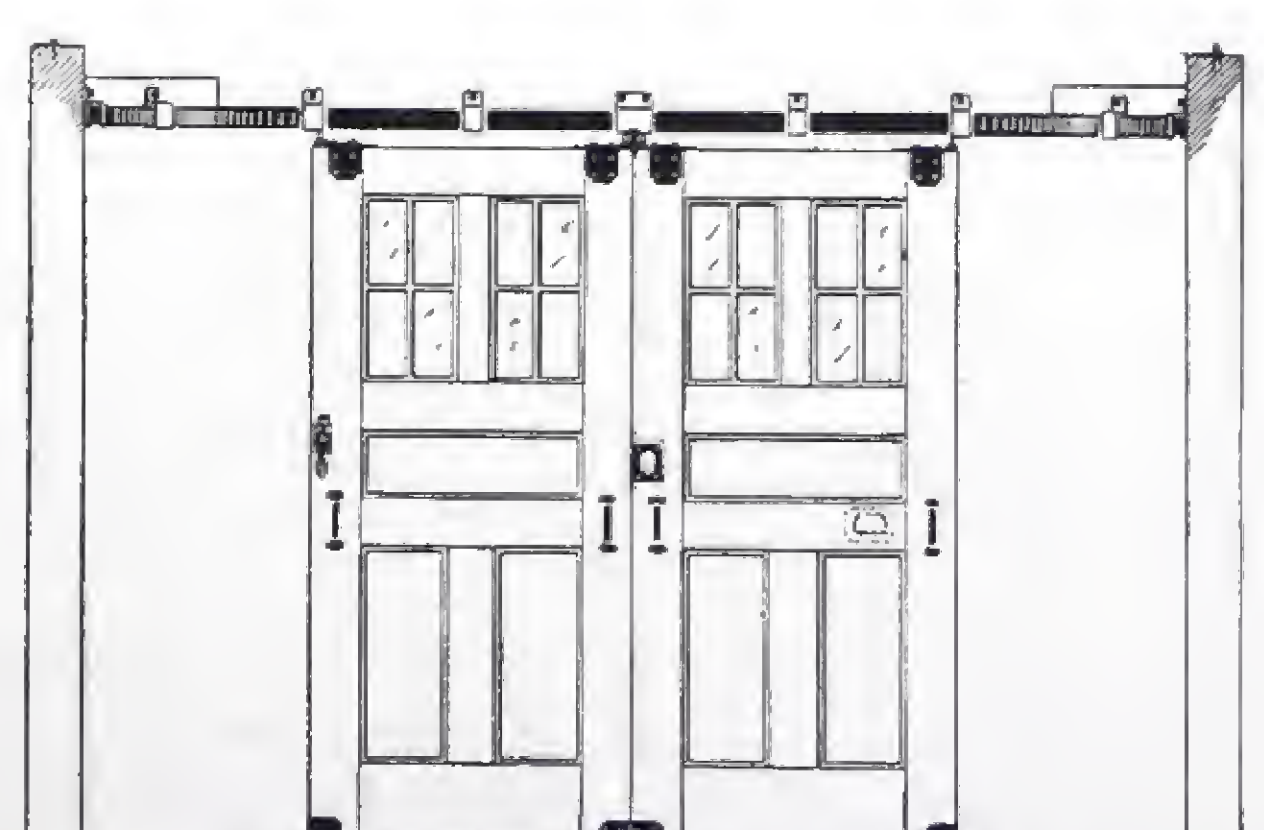
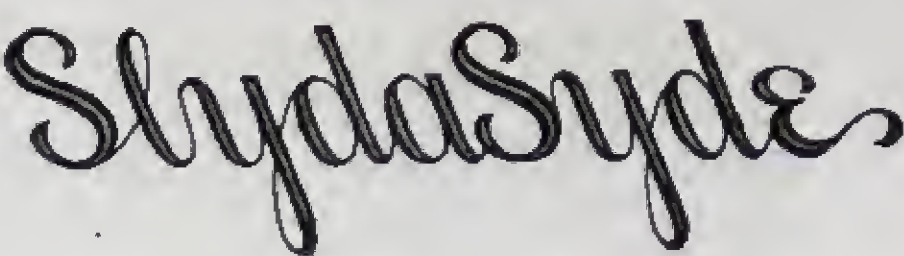


Fig. A-820—Interior elevation showing Set FF-4, including one 516 Door Bolt and one 535 Lock.



Patented

R-W No. 235

Right Angle Garage Door Hardware

Two Doors Hinged Together. Sets "G" and "GG"

Minimum distance from jamb to side wall is 26"—Hardware suitable for less space shown on page 77

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: "GG" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set GG-1, to lock doors from inside only, including 1 No. 524 Cane Bottom Bolt (page 121).						
Opening up to 8' wide.....	\$31.00	76	\$46.10	128	\$55.00	147
Opening 8'1" to 9' wide.....	32.00	79	47.35	134	56.75	153
Opening 9'1" to 10' wide.....	33.00	82	48.60	140	58.50	159
Set GG-3, to lock doors from inside only, including 1 No. 516 Door Bolt (page 122). Minimum lap of door over jamb is 2 inches.						
Opening up to 8' wide.....	32.20	76	47.20	128	56.10	147
Opening 8'1" to 9' wide.....	33.20	79	48.45	134	57.85	153
Opening 9'1" to 10' wide.....	34.20	82	49.70	140	59.60	159
*Set GG-4, to lock doors from inside and outside, including 1 No. 525 Door Lock (page 117).						
Opening up to 8' wide.....	33.60	76	48.60	128	57.50	147
Opening 8'1" to 9' wide.....	34.60	79	49.85	134	59.25	153
Opening 9'1" to 10' wide.....	35.60	82	51.10	140	61.00	159

Notes—* When the No. 525 Lock is attached to the front edge of the door, it is advisable, though not necessary, to use the No. 635 Floor Guide (listed page 127), to hold the back edge of the door tight against the casing. Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance between jamb and side wall. Distance door laps on jamb. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" GG-3 for No. 31 track. Opening 10 feet wide. Doors 1 3/4 inches thick. Distance between jamb and side wall 32 inches. Door laps on jamb 2 inches.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Two Doors Hinged Together Complete Sets "GG" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
3 Hangers, Ball Bearing Swivel.....	235-5	Page 47	235-9	Page 47	235-6	Page 47
*2 Runs Trolley Track.....	31	"	232	"	33	"
1 Pc. Curved Trolley Track, 24" Rad. 90 deg.....	31	"	232	"	33	"
2 Brackets, End Track.....	235-2x31	"	235-2x232	"	235-2x33	"
**8 Brackets, Center Track.....	235-1x31	"	235-1x232	"	235-1x33	"
3 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Drop Handle.....	170	"	170	"	170	"
2 Floor End Stops.....	272	"	272	"	272	"
4 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 1/2 Pr. Surface Hinges.....	635-4"	"	635-5"	"	635-5"	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
1 Cane Bottom Bolt (For use with GG-1 sets).....	524-1	121	524-2	121	524-2	121
or 1 Door Bolt (For use with GG-3 sets).....	516	122	516	122	516	122
or 1 Door Lock (For use with GG-4 sets).....	525	117	525	117	525	117

Notes—* Two runs of trolley track (1 run equals width of opening plus distance from jamb to side walls, minus 2', 1 run equals width of opening). **For openings over 10' wide, add two extra center brackets for each additional foot of opening.

Two Doors Hinged Together, "G" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 10 feet wide. Diagrams on Next Page Show Installation Details.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:

For No. 31 track, per set \$24.30. Shipping weight 42 pounds.

For No. 33 track, per set \$40.00. Shipping weight 82 pounds.

For No. 232 track, per set 34.00. Shipping weight 71 pounds.

Example Order—1 Set "SlydaSyde" G, for No. 31 Track.

Discount

R-W No. 235

"GG" Sets
Continued

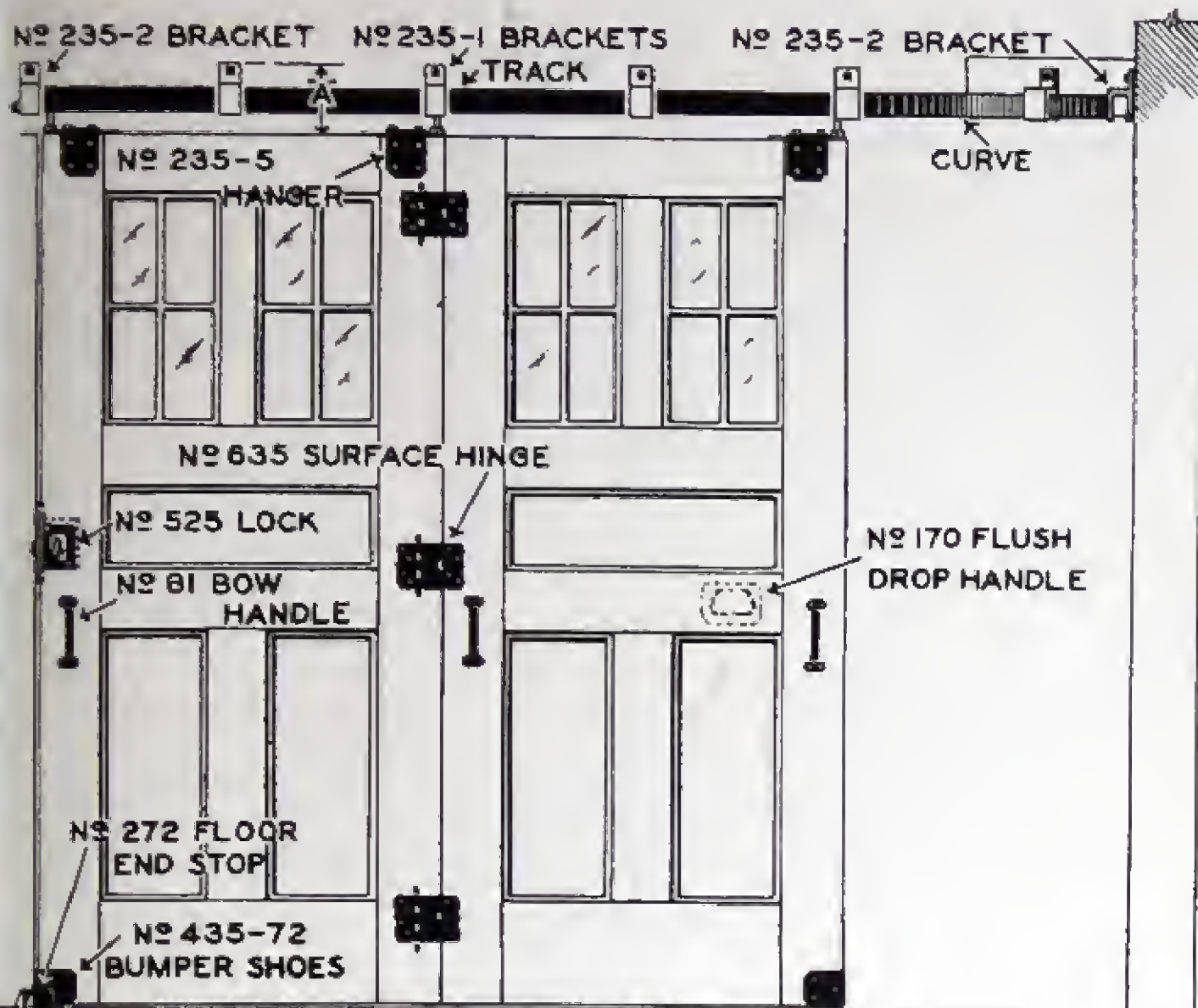


Fig. A-821—235 GG-4 Set

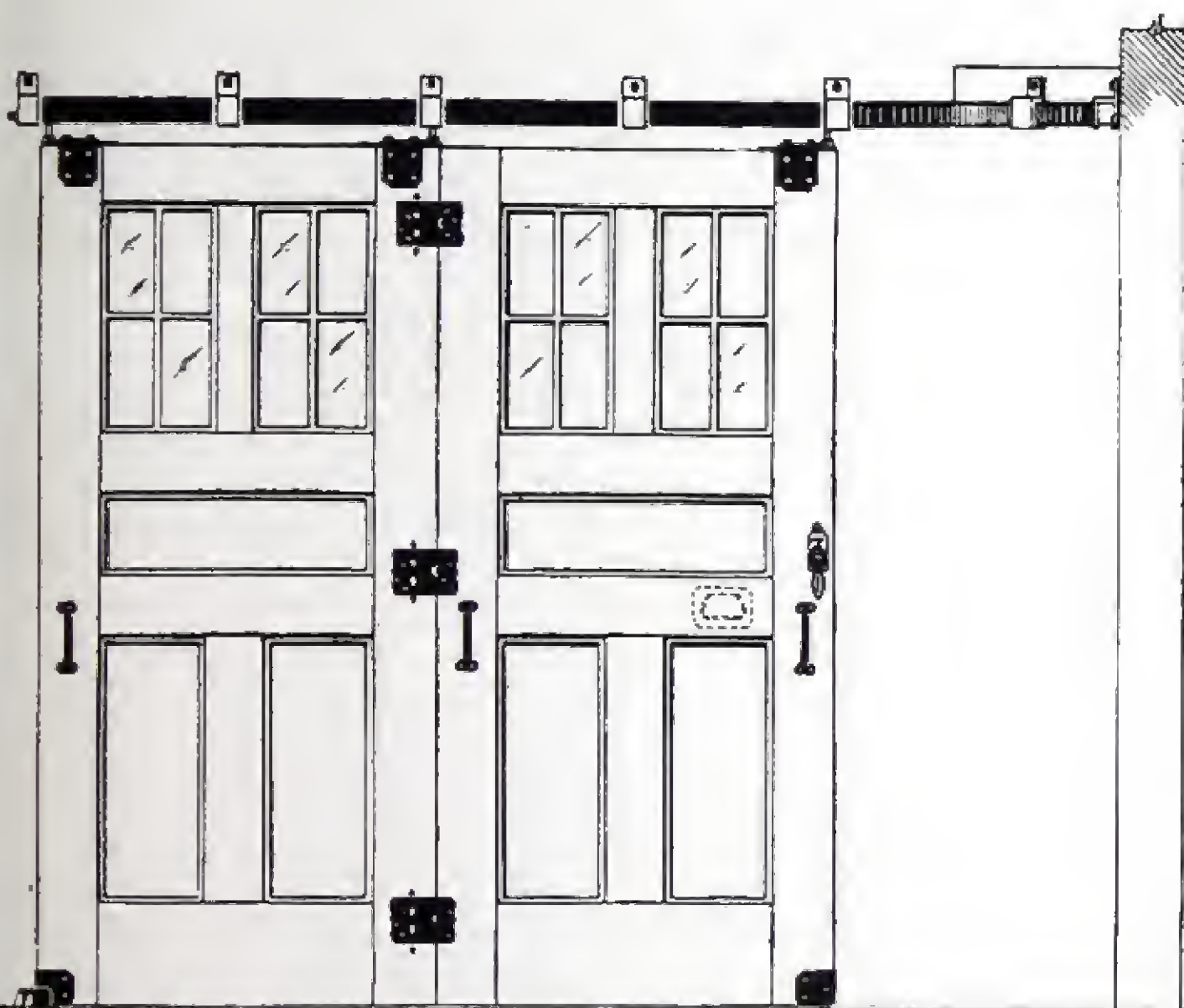


Fig. A-822—235 GG-3 Set

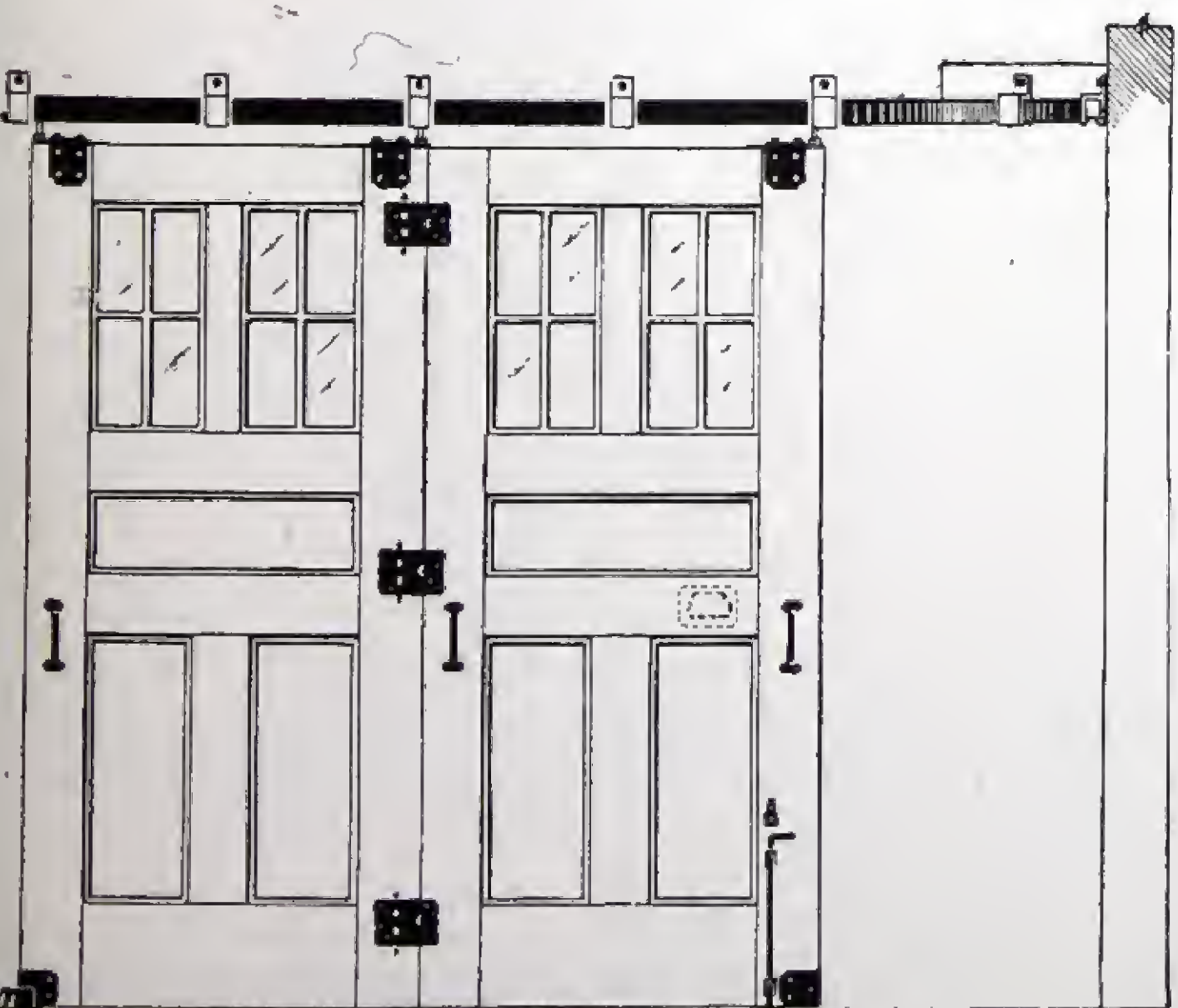


Fig. A-823—235 GG-1 Set

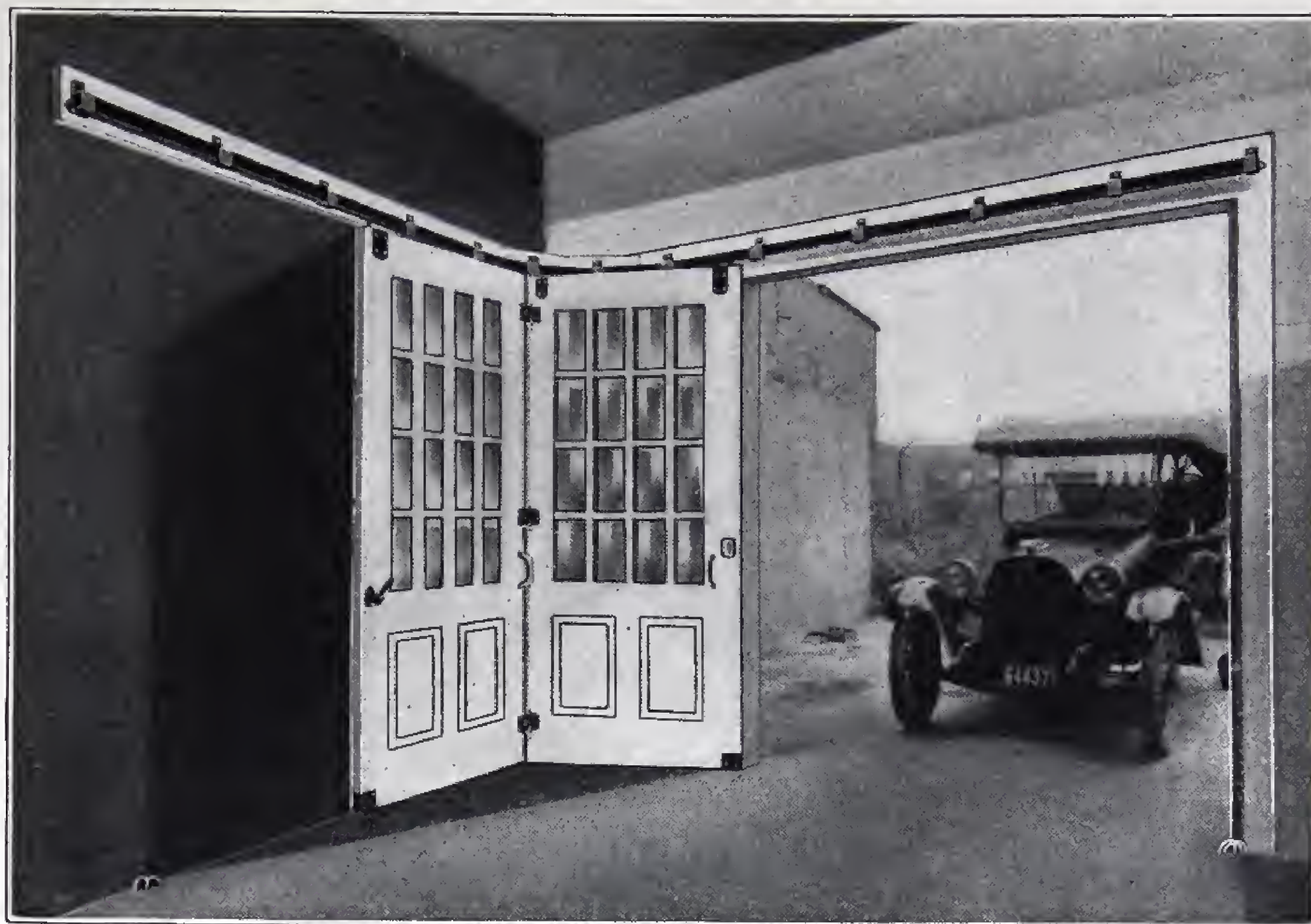
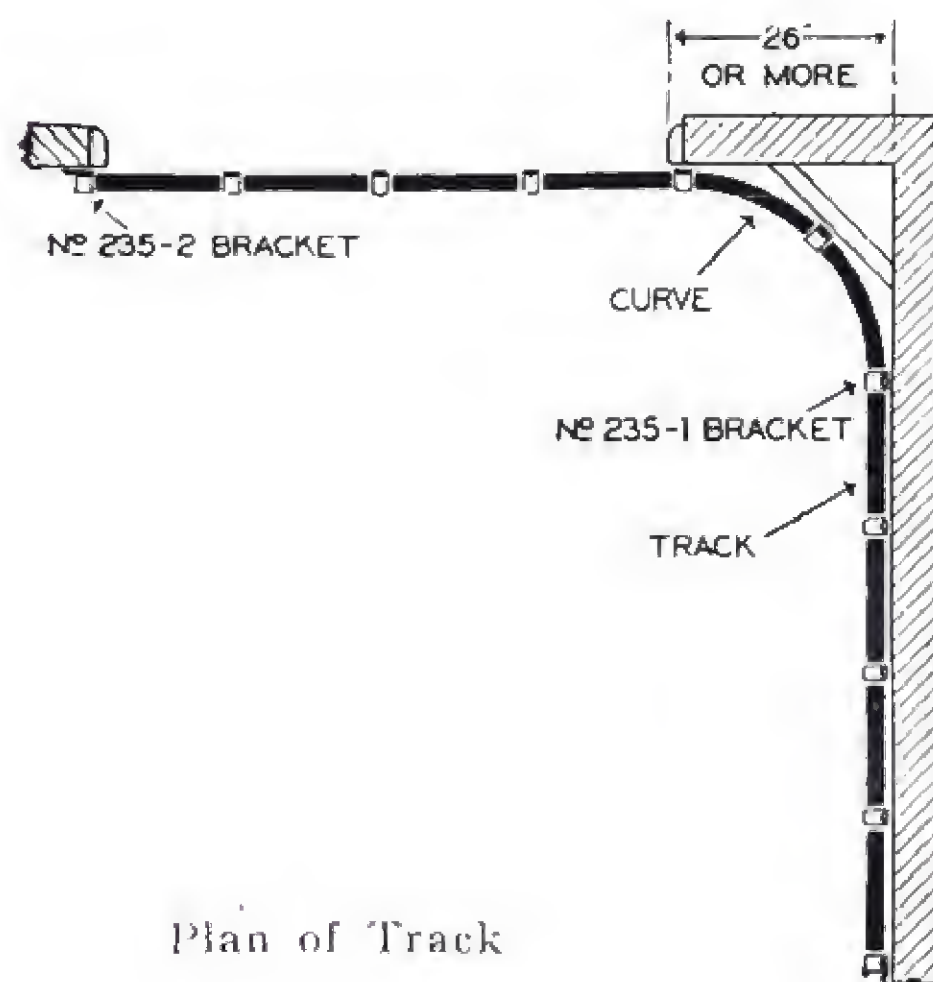


Fig. A-824—Interior View. Two Doors Hinged Together.



Plan of Track

Headroom Required

See "A" of Fig. A-821

For No. 31 Track.....	6 3/8 inches
For No. 232 Track.....	7 7/8 inches
For No. 33 Track.....	8 1/4 inches

Headroom may be decreased 7/8" on Nos. 31 and 232 Track Equipments, and 1/4" on No. 33 Track, Equipment, by using No. 7 style ceiling track brackets. A further reduction of 5/8" in headroom may be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114.

Fig. A-821

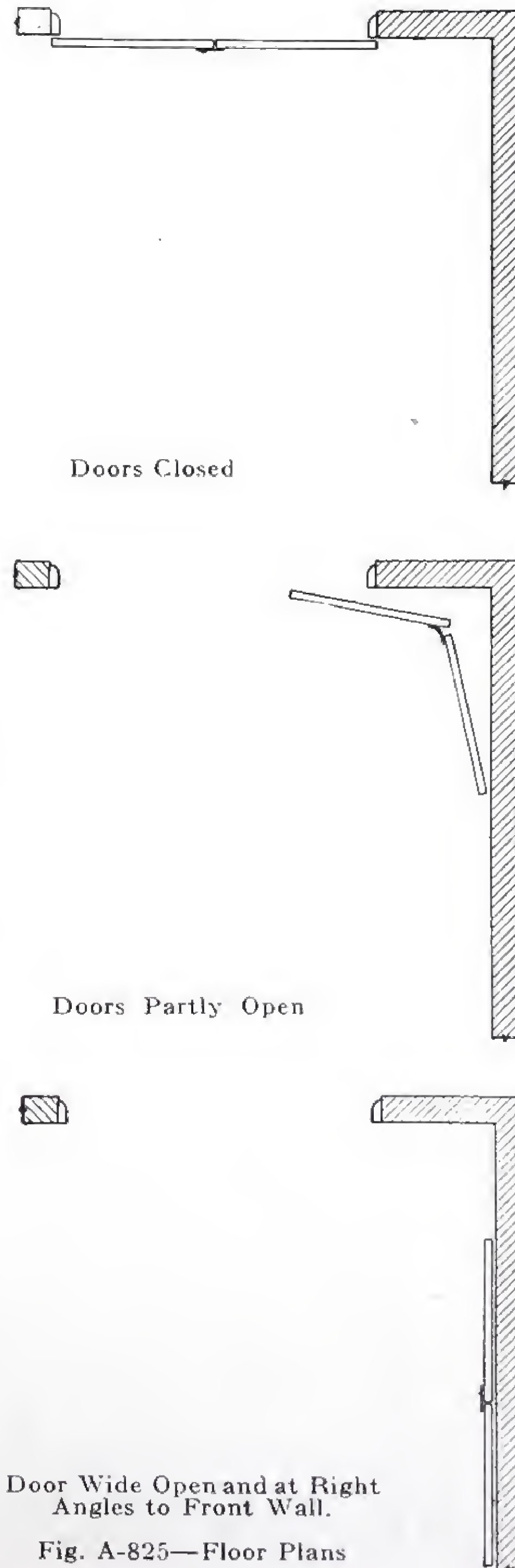
Interior elevation showing proper location and names of 235 Parts for GG-4 Set, including one 525 Lock.

Fig. A-822

Interior elevation showing Set GG-3, including one 516 Door Bolt.

Fig. A-823

Interior elevation showing Set GG-1, including one 524 Cane Bottom Bolt.



Door Wide Open and at Right Angles to Front Wall.

Fig. A-825—Floor Plans

SlydaSyde No. 235 Right Angle Garage Door Hardware

Patented

Two Pairs of Doors Hinged Together, Sets "H" and "HH"
One Pair Sliding to the Right and One Pair Sliding to the Left

Minimum distance from jamb to side wall is 26"—Hardware suitable for less space shown on pages 78 and 79.

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: "HH" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set HH-1, to lock doors from inside only, including 2 No. 524 Cane Bottom Bolts (page 121).	\$50.90	103	\$73.50	169	\$84.60	190
Opening up to 8' wide.....	52.90	109	76.00	179	88.10	202
Opening 8'1" to 10' wide.....	54.90	115	78.50	189	91.60	214
Opening 10'1" to 12' wide.....	56.90	121	81.00	199	95.10	226
Opening 12'1" to 14' wide.....	58.90	127	83.50	209	98.60	238
Opening 14'1" to 16' wide.....						
Set HH-2, to lock doors from inside only, including 2 No. 516 Door Bolts (page 122). Minimum lap of door over jamb is 2 inches.	53.60	104	75.70	169	86.80	190
Opening up to 8' wide.....	55.60	110	78.20	179	90.30	202
Opening 8'1" to 10' wide.....	57.60	116	81.70	189	93.80	214
Opening 10'1" to 12' wide.....	59.60	122	85.20	199	97.30	226
Opening 12'1" to 14' wide.....	61.60	128	88.70	209	99.80	238
Opening 14'1" to 16' wide.....						
*Set HH-3, to lock doors from inside and outside, including 1 No. 524 Cane Bottom Bolt (page 121), and 1 No. 525 Door Lock (page 117).	53.90	104	76.00	169	87.10	190
Opening up to 8' wide.....	55.90	110	78.50	179	90.69	202
Opening 8'1" to 10' wide.....	57.90	116	81.00	189	94.10	214
Opening 10'1" to 12' wide.....	59.90	122	83.50	199	97.60	226
Opening 12'1" to 14' wide.....	61.90	128	86.00	209	101.10	238
Opening 14'1" to 16' wide.....						
*Set HH-4, to lock doors from inside and outside, including 1 No. 516 Door Bolt (page 122), and 1 No. 525 Door Lock (page 117). Minimum lap of door over jamb is 2 inches.	55.00	104	77.10	169	88.20	190
Opening up to 8' wide.....	57.00	110	79.60	179	91.70	202
Opening 8'1" to 10' wide.....	59.00	116	82.10	189	95.20	214
Opening 10'1" to 12' wide.....	61.00	122	84.60	199	98.70	226
Opening 12'1" to 14' wide.....	63.00	128	87.10	209	102.20	238
Opening 14'1" to 16' wide.....						

Notes—When the No. 525 Lock is attached to the front edge of the door, it is advisable, though not necessary, to use the No. 635 Floor Guide, to hold the back edge of the door tight against the casing. If the Floor Guides are used on both sides of the opening, the No. 524 and No. 516 Door Bolts can be omitted. Deduct the detailed list price of the omitted bolts from the price of the set, and add the price of the No. 635 Floor Guide Equipment, listed on page 127. Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware. If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance between jambs and side walls on each side. Distance doors lap on jambs. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" HH-4, for No. 33 Track. Opening 10 feet wide. Doors 2 1/4 inches thick. Distance between jamb and side wall, 30 inches on right side; 32 inches on left side. Doors lap on jambs, 2 inches.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Two Pairs of Doors, Hinged Together, Complete Sets "HH" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers, Ball Bearing.....	235-3	Page 47	235-8	Page 47	235-4	Page 47
4 Hangers, Roller Bearing.....	235-5	"	235-9	"	235-6	"
*3 Runs Trolley Track.....	31	"	232	"	33	"
2 Pcs. Curved Track, 24" Rad. 90 deg.....	31	"	232	"	33	"
2 Brackets, End Track.....	235-2x31	"	235-2x232	"	235-2x33	"
*10 Brackets, Center Track.....	235-1x31	"	235-1x232	"	235-1x33	"
1 Bracket, Center Stop.....	235-12x31	"	235-12x232	"	235-12x33	"
6 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Flush Drop Handle.....	170	"	170	"	170	"
2 Floor End Stops.....	272	"	272	"	272	"
1 Center Floor Guide.....	271	"	271	"	271	"
3 Pr. Surface Hinges.....	635-4"	"	635-5"	"	635-5"	"
8 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
2 Cane Bottom Bolts (For use with HH-1 Sets).....	524-1	121	524-2	121	524-2	121
or 2 Door Bolts (For use with HH-2 Sets).....	516	122	516	122	516	122
1 Cane Bottom Bolt.....	524-1	121	524-2	121	524-2	121
and 1 Door Lock (For use with HH-3 Sets).....	525	117	525	117	525	117
1 Door Bolt.....	516	122	516	122	516	122
and 1 Door Lock (For use with HH-4 Sets).....	525	117	525	117	525	117

Notes—* Three runs of trolley track (1 run equals width of opening plus distance from jambs to side walls, minus 4', 2 runs equal one-half width of opening). ** For openings over 10' wide, add three extra Center Brackets for each additional 2' of opening.

Two Pairs of Doors Hinged Together, "H" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 10 feet wide. Diagrams on Next Page Show Installation Details.

For the convenience of dealers who carry our trolley track, locks and locking bolts in stock, we are in a position to furnish Short Sets at the following prices:

For No. 31 Track, per set \$43.50. Shipping weight, 60 pounds.

For No. 33 Track, per set \$68.00. Shipping weight, 107 pounds.

For No. 232 Track, per set 58.40. Shipping weight, 97 pounds.

Example Order—1 Set "SlydaSyde" H, for No. 33 track.

Discount.....

SlydaSyde

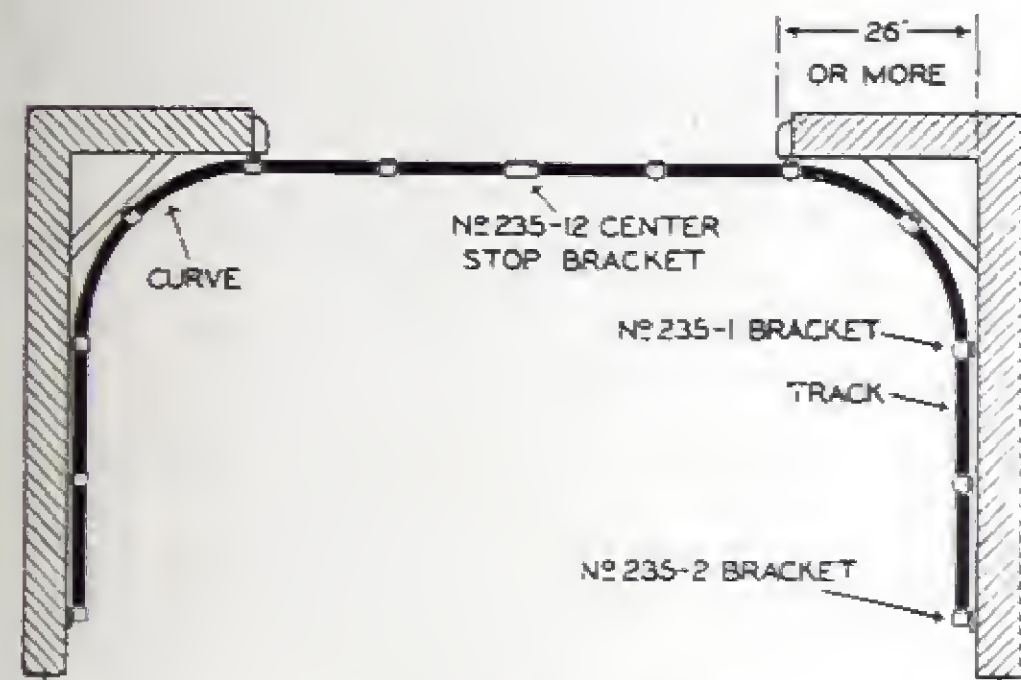
Patented

R-W No. 235

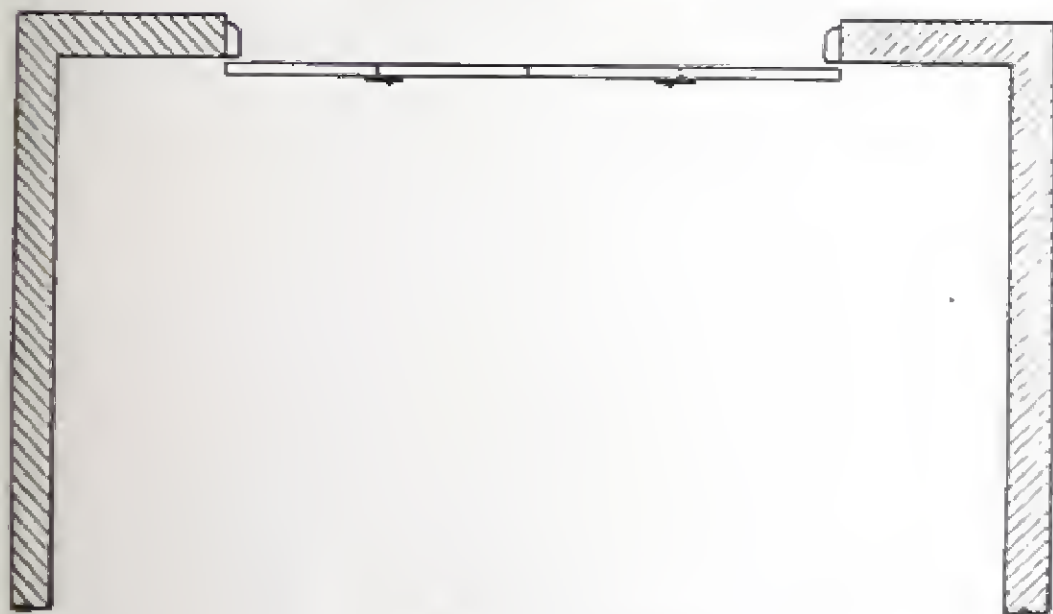
Right Angle Garage Door Hardware

Equipment "HH" for Two Pairs of Doors
Hinged Together with Curved Track

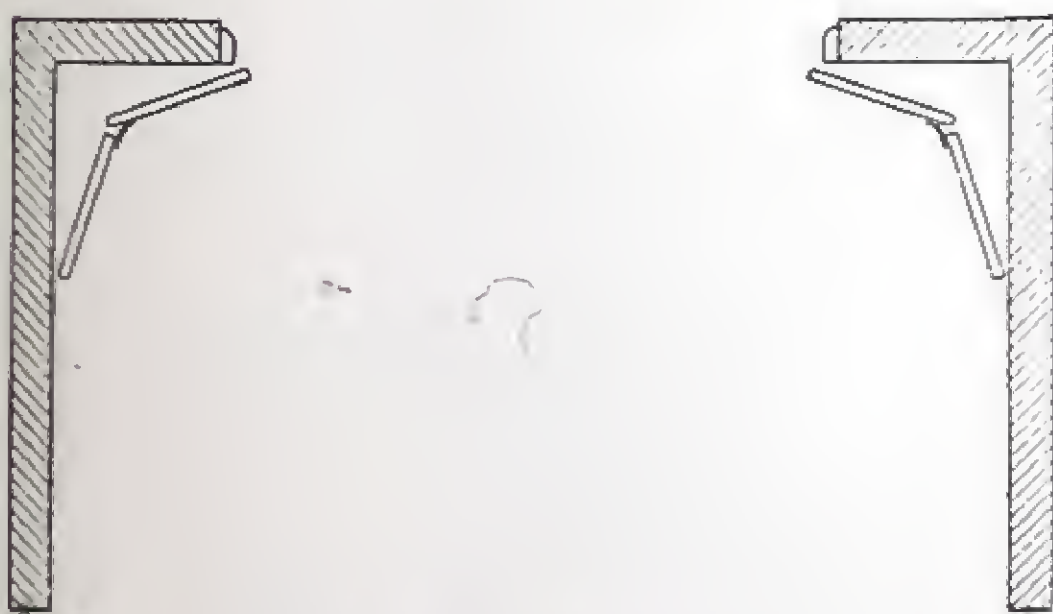
For Two Pairs of Doors Hinged Together, Opening
in Opposite Directions, with Curved Corner
Track. Minimum Distance from Jambs to the
Side Walls, 26 Inches—Hardware Suitable for
Less Space Shown on pages 78-79.



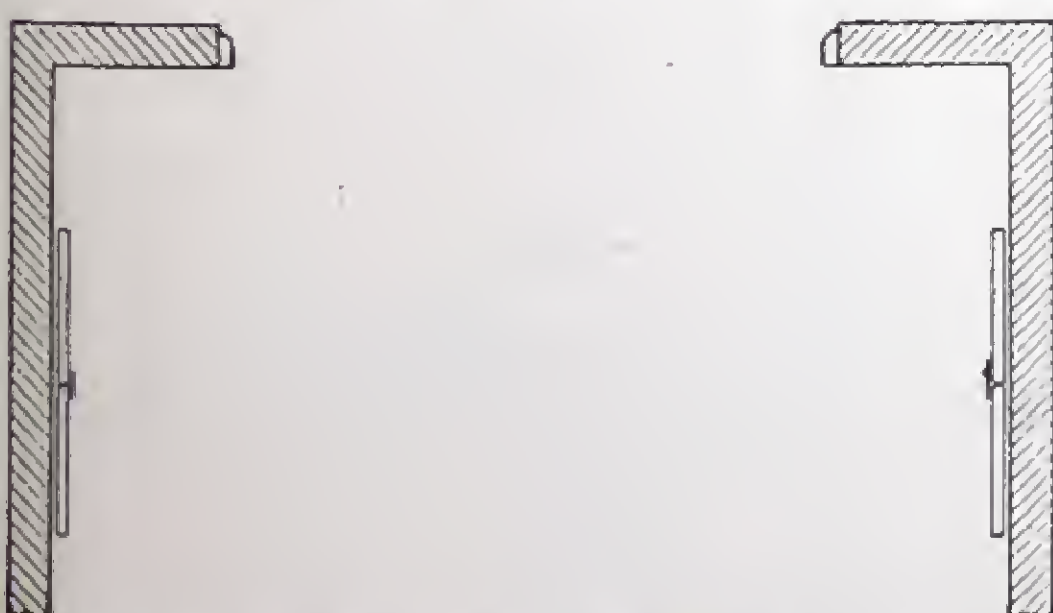
Plan of Track



Doors Closed



Doors Partly Open



Doors Wide Open and at Right Angles to
Front Wall.

Fig. A-826—Floor Plans



Fig. A-827—Interior View. Two Pairs of Doors Hinged Together using No. 635 Floor Guide Track.

Headroom Required

See "A" of Fig. A-828

For No. 31 Track.....	6 ³ / ₈ inches
For No. 232 Track.....	7 ⁷ / ₈ inches
For No. 33 Track.....	8 ¹ / ₄ inches

Headroom may be decreased ¹/₈" on Nos. 31 and 232 Track Equipments, and ¹/₄" on No. 33 Track Equipment, by using No. 7 style ceiling track brackets. A further reduction of ⁵/₈" in headroom may be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114.

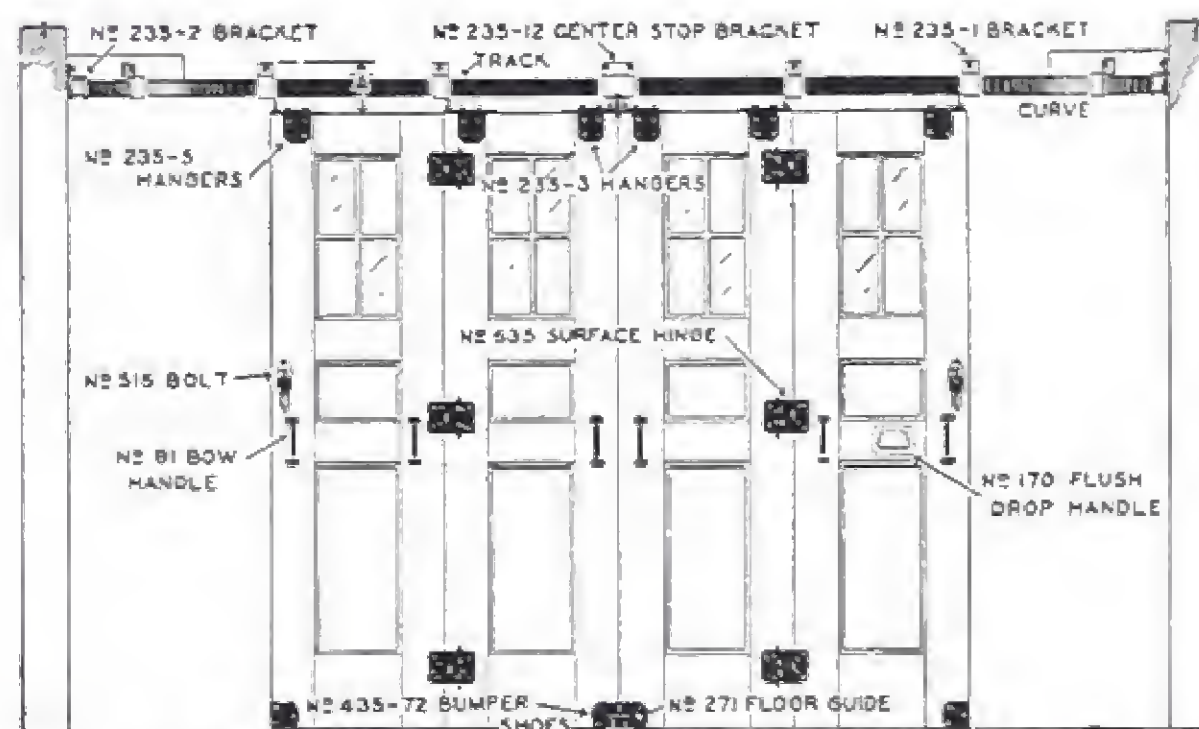


Fig. A-828—Interior elevation showing proper location and names of 235 Parts for HH-2 Set, including two 516 Door Bolts.



Fig. A-830—Interior elevation showing Set HH-1, including two 524 Cane Bottom Bolts.



Fig. A-829—Interior elevation showing Set HH-3, including one 524 Cane Bottom Bolt and one 525 Door Lock.



Fig. A-831—Interior elevation showing Set HH-4, including one 516 Door Bolt and one 525 Door Lock.

SlydaSyde

Patented

R-W No. 235

Right Angle Garage Door Hardware

Three Doors Hinged Together, Sets "J" and "JJ"

For three doors hinged together. The door nearest the side of the building toward which the doors slide in opening, is used as an entrance door. The doors may be mounted to slide to the right as shown in the illustration or to slide to the left. The hardware is reversible and can be used in any opening regardless of the distance from the jamb to the side wall, but only sufficient straight track is included in the price of the complete set for a distance from jamb to side wall not exceeding two feet. The radius of the curved track is 24 inches.

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows: "JJ" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea., 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea., 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set JJ-1, to lock doors from outside only, including 1 No. 835 Locking Bolt						
Opening up to 8' wide.....	\$27.00	60	\$38.00	94	\$44.00	122
Opening 8'1" to 9' wide.....	28.00	64	39.50	101	45.50	131
Opening 9'1" to 10' wide.....	29.50	68	41.50	119	47.50	141
Set JJ-2, to lock doors from outside only, including 1 No. 525 Door Lock (page 117). Minimum lap of door over jamb is 1 1/2 inches.						
Opening up to 8' wide.....	30.00	62	41.00	96	47.00	124
Opening 8'1" to 9' wide.....	31.00	66	42.50	103	48.50	133
Opening 9'1" to 10' wide.....	32.50	70	43.50	121	50.50	143

Notes—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance between jambs and side wall toward which the doors slide in opening. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" JJ-1 for No. 31 track. Opening 8 feet wide. Doors 1 3/4 inches thick. Distance between the jamb and side wall toward which doors slide in opening, 16 inches.

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Three Doors Hinged Together, Complete Sets "JJ" Sets"	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
1 Hanger.....	235-3	Page 47	235-8	Page 47	235-4	Page 47
2 Hangers, Ball Bearing.....	235-5	"	235-9	"	235-6	"
*Two Runs Trolley Track, Straight.....	31	"	232	"	33	"
1 Pc. Trolley Track, Curved, 24" Rad. 90 deg.....	31	"	232	"	33	"
2 Brackets, End.....	235-2x31	"	235-2x232	"	235-2x33	"
8 Brackets, Center.....	235-1x31	"	235-1x232	"	235-1x33	"
1 1/2 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435-3 1/2"x5"	"	435-3 1/2"x5"	"
1 1/2 Pr. Hinges, Surface.....	635-4"	"	635-5"	"	635-5"	"
2 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 End Floor Stop.....	272	"	272	"	272	"
2 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
2 Stay Rollers.....	55	"	55	"	55	"
1 Door Holder, Japanned.....	119	"	119	"	119	"
1 Guide Roller.....	635	"	635	"	635	"
1 Set of Locking Bolts (Selected from the following sets)		See page		See page		See page
1 Door Lock (For use with JJ-1 Sets).....	835	117	835	117	835	117
or 1 Door Lock (For use with JJ-2 Sets).....	525		525		525	

Notes—* Two runs of trolley track (1 run equals width of opening plus distance from jamb to side wall minus 2'. 1 run equals width of two doors plus approximately 1'. Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

Three Doors Hinged Together, "J" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 10 feet wide. Curved Track furnished with this set.

For the convenience of dealers who carry our Trolley Track, Locks and Locking Bolts in stock, we are in position to furnish Short Sets at the following prices:

For No. 31 Track, per set \$24.30. Shipping weight 44 pounds.
For No. 232 Track, per set 34.00. Shipping weight 73 pounds.

For No. 33 Track, per set \$40.00. Shipping weight 84 pounds.
Example Order—1 Set "SlydaSyde" J for No. 31 Track.

Discount

SlydaSyde

Patented

Right Angle Garage Door Hardware R-W No. 235

"J" and "JJ" Sets for Three Doors
Hinged Together

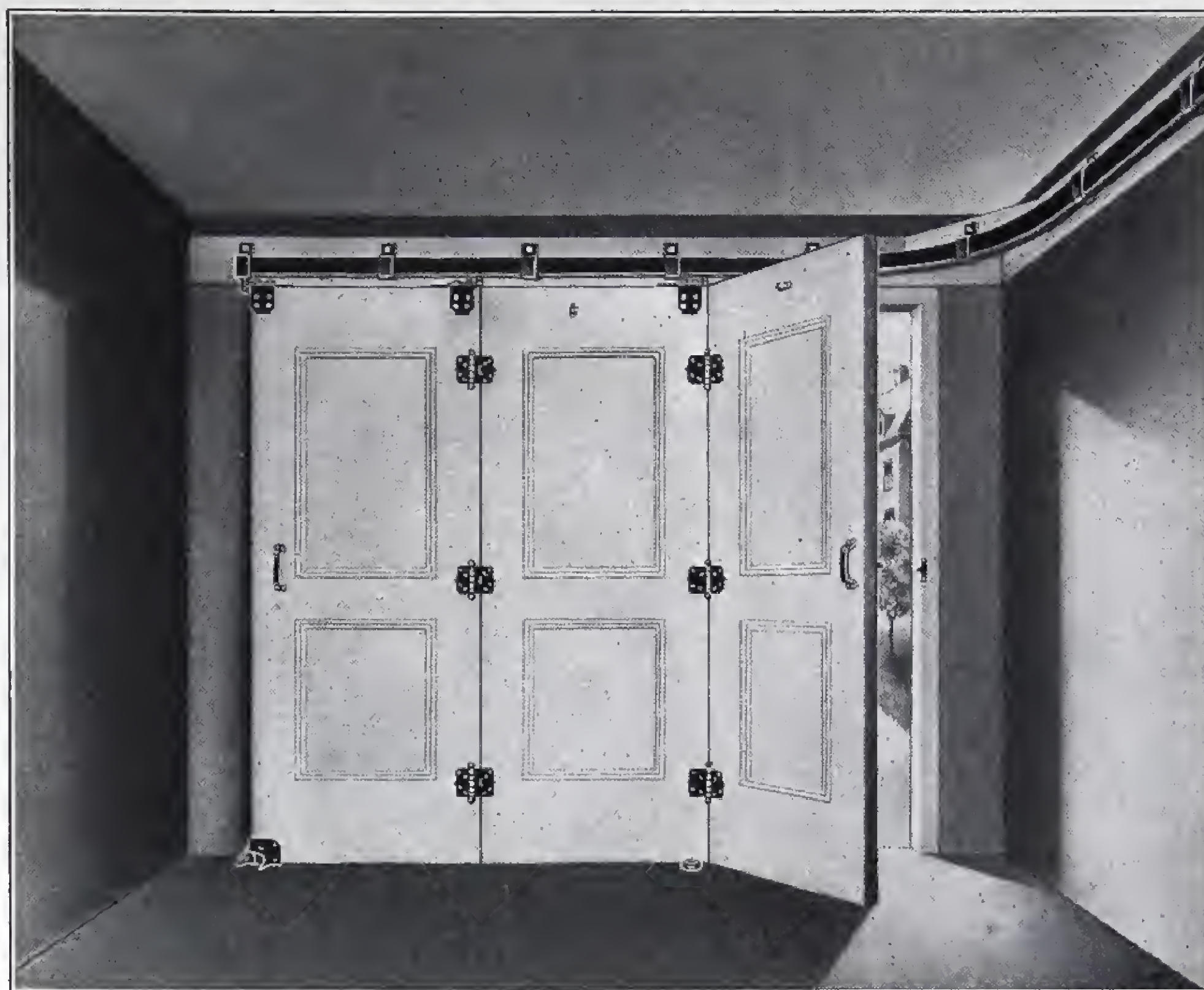


Fig. A-843—Interior View. Entrance Door Partly Open.

Headroom Required

See "A" of Fig. A-844

For No. 31 Track.... $6\frac{3}{8}$ inches
For No. 232 Track... $7\frac{7}{8}$ inches
For No. 33 Track.... $8\frac{1}{4}$ inches

Headroom may be decreased $\frac{1}{8}$ " on Nos. 31 and 232 Track Equipments, and $\frac{1}{4}$ " on No. 33 Track Equipment, by using No. 7 style ceiling track brackets. A further reduction of $\frac{5}{8}$ " in headroom may be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114.

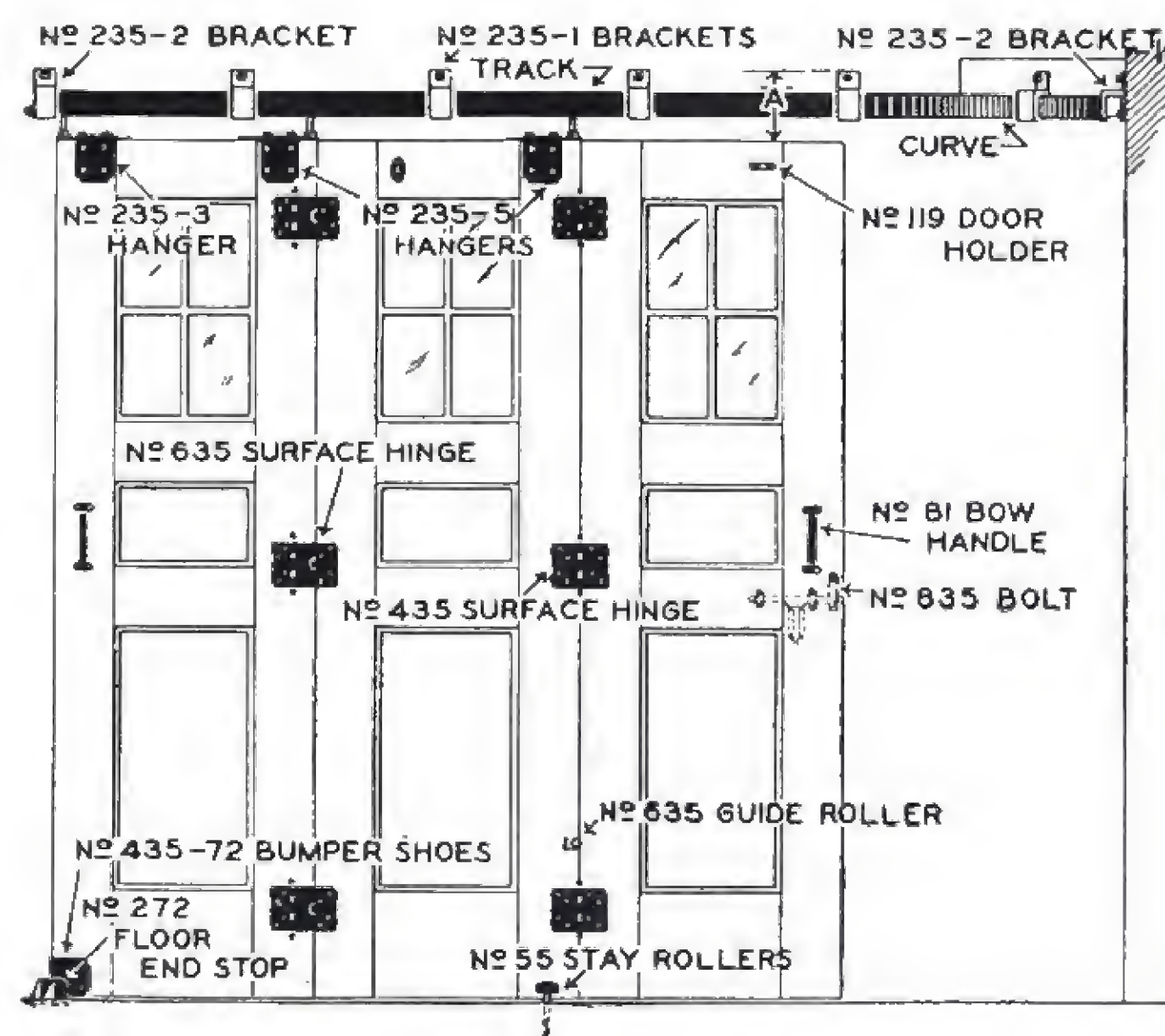


Fig. A-844—Interior elevation showing proper location and names of 235 Parts for Set JJ-1, including one 835 Door Bolt.

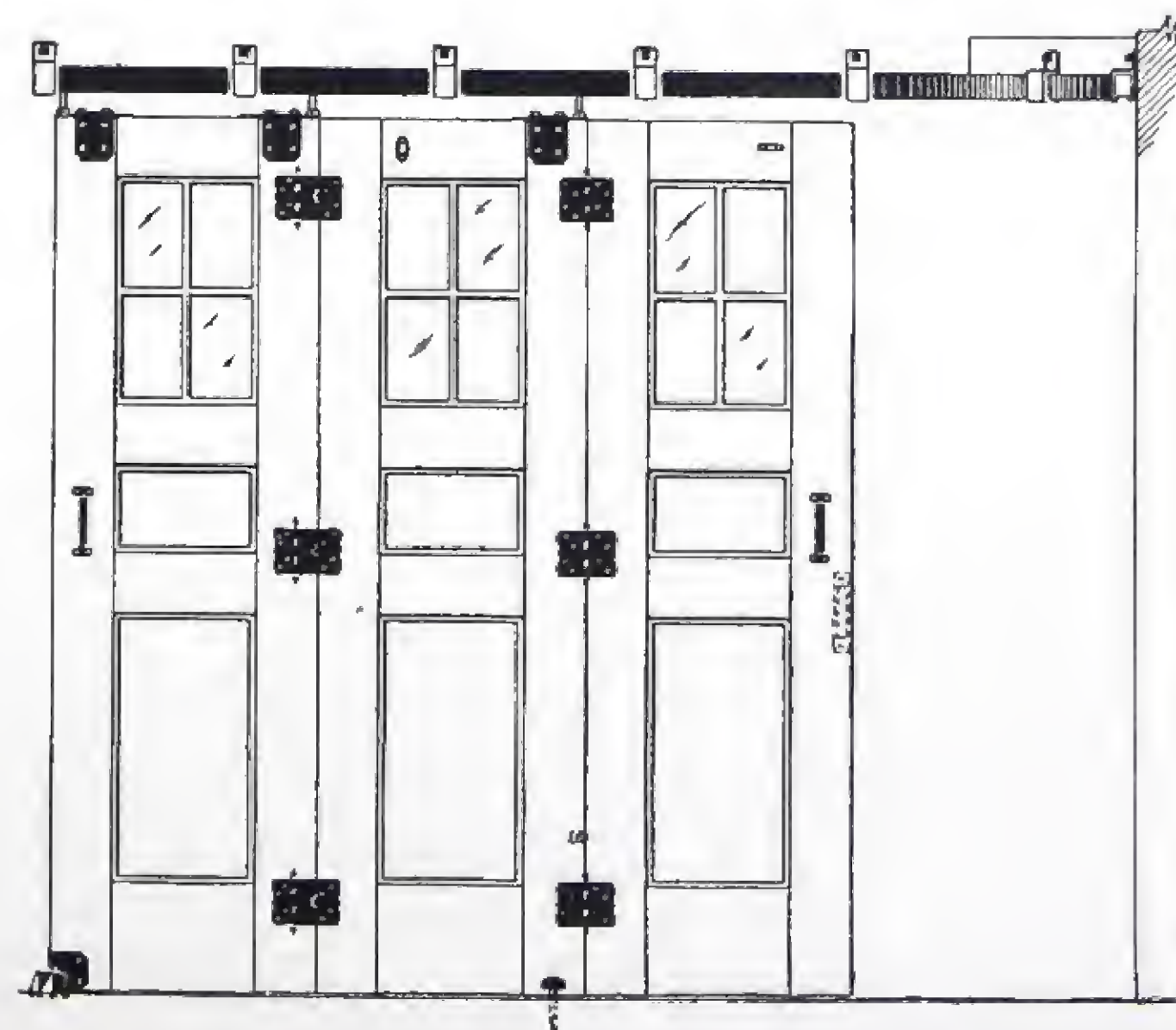
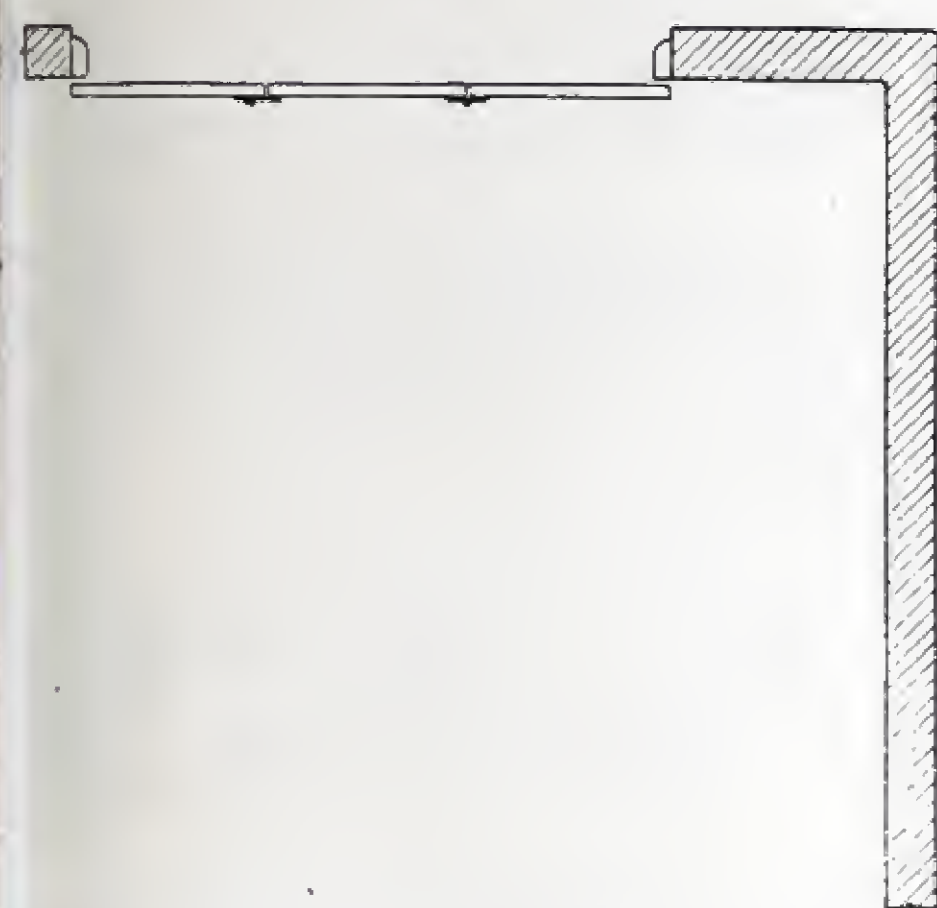
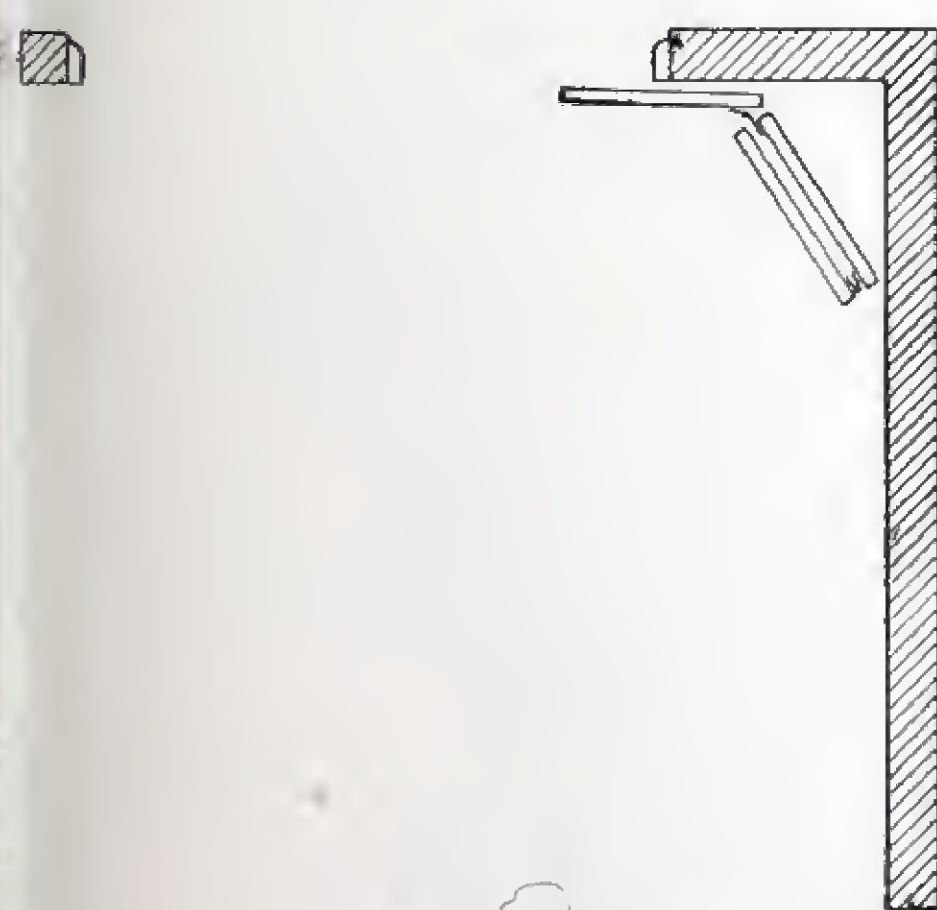


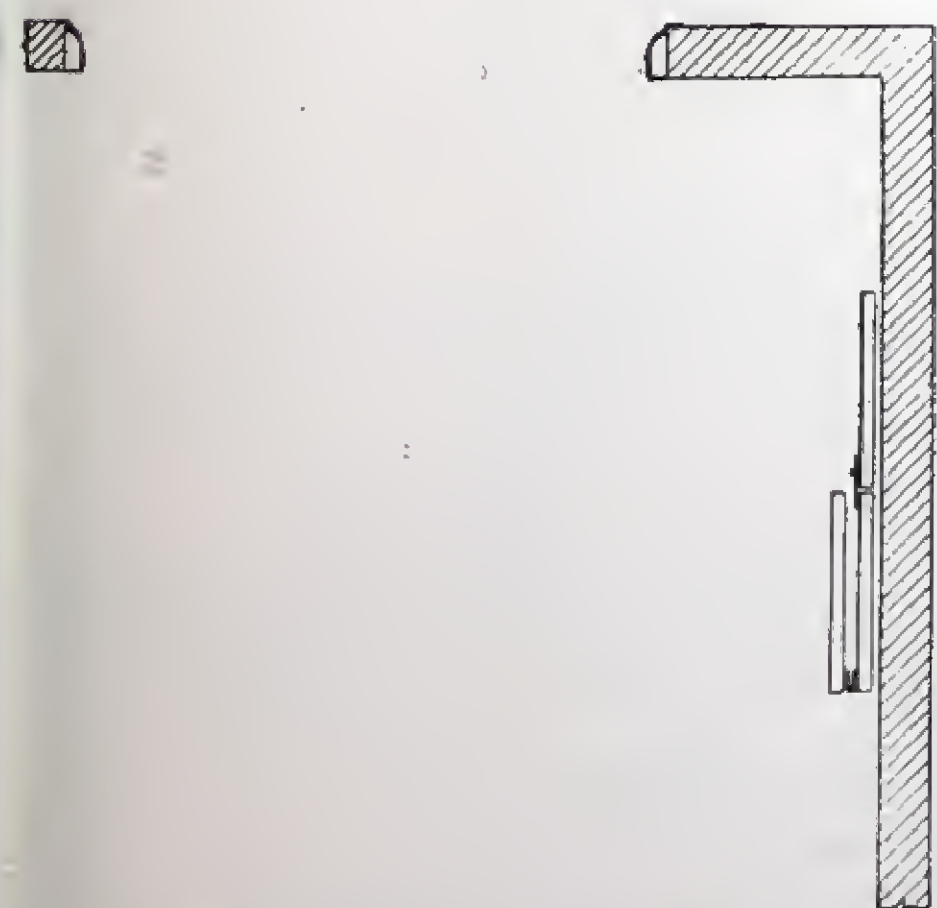
Fig. A-845—Interior elevation showing Set JJ-2, including one 525 Door Lock.



Doors Closed



Doors Partly Open



Doors Wide Open and at Right Angles to Front Wall

Fig. A-841—Floor Plans

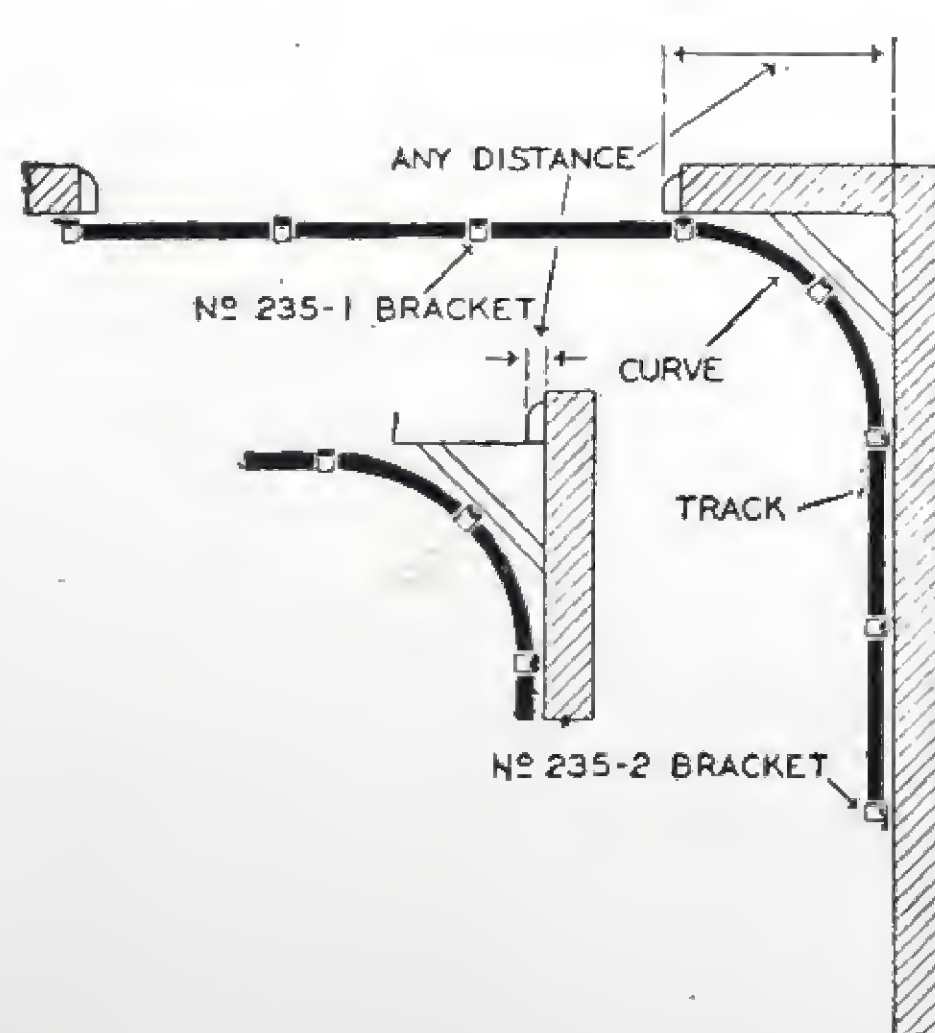


Fig. A-842—Plan of Track

Large plan shows a front wall extending from the side wall to the doorway, small plan shows doorway adjacent to side wall.

SlydaSyde No. 235 Right Angle Garage Door Hardware

Patented

Six Doors, three of which are Hinged Together and Slide to the Right, and Three of which are Hinged Together and Slide to the Left.

Sets "K" and "KK"

The end doors nearest the side of the building toward which the doors slide in opening, are used as entrance doors. The hardware can be used in any opening regardless of the distance from the jamb to the side wall, but only sufficient straight track is included in the price of the complete set for a distance from jamb to side walls not exceeding two feet. The radius of the curved track is 24 inches.

List Price for Complete Sets

These prices include hardware for set desired (as listed in the table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows: "KK" Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each, 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Between 300-500 lbs. ea. 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Between 500-800 lbs. ea. 1 3/4" to 2 3/4" thick	
	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.	List Price	Shipping Wt., lbs.
Set KK-1, to lock doors from outside only, including 2 No. 835 Locking Bolts. Opening up to 16' wide..... Opening 16'1" to 18' wide..... Opening 18'1" to 20' wide.....	\$54.00 56.00 59.00	120 128 136	\$76.00 79.00 83.00	188 202 238	\$88.00 91.00 95.00	244 262 282
Set KK-2, to lock doors from outside only, including 2 No. 525 Door Locks (page 117). Minimum lap of door over jamb is 1 1/2 inches. Opening up to 16' wide..... Opening 16'1" to 18' wide..... Opening 18'1" to 20' wide.....	60.00 62.00 65.00	124 132 140	82.00 85.00 87.00	192 206 242	94.00 97.00 101.00	248 266 286
Set KK-3, with one 516 Door Bolt (page 122) to bolt 3 doors from inside and one 835 Door Bolt to bolt 3 doors from outside. Minimum lap of door over jamb is 2 inches. Opening up to 16' wide..... Opening 16'1" to 18' wide..... Opening 18'1" to 20' wide.....	52.65 54.65 57.65	120 128 136	74.65 77.65 81.65	188 202 238	86.65 89.65 93.65	244 262 282
Set KK-4, with one 516 Door Bolt (page 122), to bolt 3 doors from inside and one 525 Door Lock (page 117), to lock 3 doors from outside. Minimum lap of door over jamb is 2 inches. Opening up to 16' wide..... Opening 16'1" to 18' wide..... Opening 18'1" to 20' wide.....	55.65 57.65 60.65	124 132 140	80.65 83.65 85.65	192 206 242	92.65 95.65 99.65	248 266 286

Note—Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

Directions for Ordering Complete Sets

State—Designation of set and No. of track. Width of opening. Thickness of doors. Distance between jambs and side walls (toward which the doors slide in opening) always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "SlydaSyde" KK-2 for No. 31 Track. Opening 16' wide, Doors 1 3/4" thick. Distance between the jamb and side wall each side of opening, 16".

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Six Doors Three of which are Hinged Together and Slide to the Right, and Three of which are Hinged Together and Slide to the Left. "KK" Complete Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick		Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 300-500 lbs. each 1 3/4" to 2 1/2" thick		Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 500-800 lbs. each 1 3/4" to 2 3/4" thick	
	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights	Catalog Number	List Prices and Weights
2 Hangers.....	235-3	Page 47	235-8	Page 47	235-4	Page 47
4 Hangers, Ball Bearing.....	235-5	"	235-9	"	235-6	"
*3 Runs Trolley Track, Straight.....	31	"	232	"	33	"
2 Pcs. Trolley Track, Curved, 24" Rad. 90 deg.....	31	"	232	"	33	"
2 Brackets, End.....	235-2x31	"	235-2x232	"	235-2x33	"
16 Brackets, Center.....	235-1x31	"	235-1x232	"	235-1x33	"
1 Bracket, Center Stop.....	235-12x31	"	235-12x232	"	235-12x33	"
3 Pr. Hinges, Surface.....	435-2 1/2"x4"	"	435-3 1/2"x5"	"	435-3 1/2"x5"	"
3 Pr. Hinges, Surface.....	635-4"	"	635-5"	"	635-5"	"
4 Bow Handles.....	81-1	"	81-2	"	81-2	"
1 Center Floor Guide.....	271	"	271	"	271	"
4 Bumper Shoes.....	435-72	"	435-72	"	435-72	"
4 Stay Rollers.....	55	"	55	"	55	"
2 Door Holders.....	119	"	119	"	119	"
2 Guide Rollers.....	635	"	635	"	635	"
1 Set of Locking Bolts (Selected from the following sets)						
2 Door Locks (For use with KK-1 Sets).....	835	See page	835	See page	835	See page
2 Door Locks (For use with KK-2 Sets).....	525	117	525	117	525	117
2 Door Locks (For use with KK-3 Sets).....	516 and 835		516 and 835		516 and 835	
2 Door Locks (For use with KK-4 Sets).....	516 and 525	117, 122	516 and 525	117, 122	516 and 525	117, 122

Notes—* Three runs of Trolley Track (one run equals width of opening plus distance from jamb to side wall minus 4 feet. Two runs equal width of two doors plus approximately 1 foot). Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra. Direction Sheet showing erecting details furnished with hardware.

Six Doors, Two Sets of Three Doors Hinged Together, "K" Short Sets

Packed in One Box Complete Except that Straight Track, Locks and Locking Bolts are Omitted

Includes Brackets for opening 20 feet wide. Curved Track furnished with this set.

For the convenience of some of our customers who carry our Trolley Track, Locks and Locking Bolts in stock, we are in a position to furnish Short Sets at the following prices:

For No. 31 Track, per set \$48.60. Shipping weight 88 pounds.
For No. 232 Track, per set 68.00. Shipping weight 146 pounds.

For No. 33 Track, per set \$80.00. Shipping weight 168 pounds.
Example Order—1 Set "SlydaSyde" "K" for No. 31 Track.

Discount.....

SlydaSyde
Patented

R-W No. 235

6-Door
"KK" Sets

CONTINUED

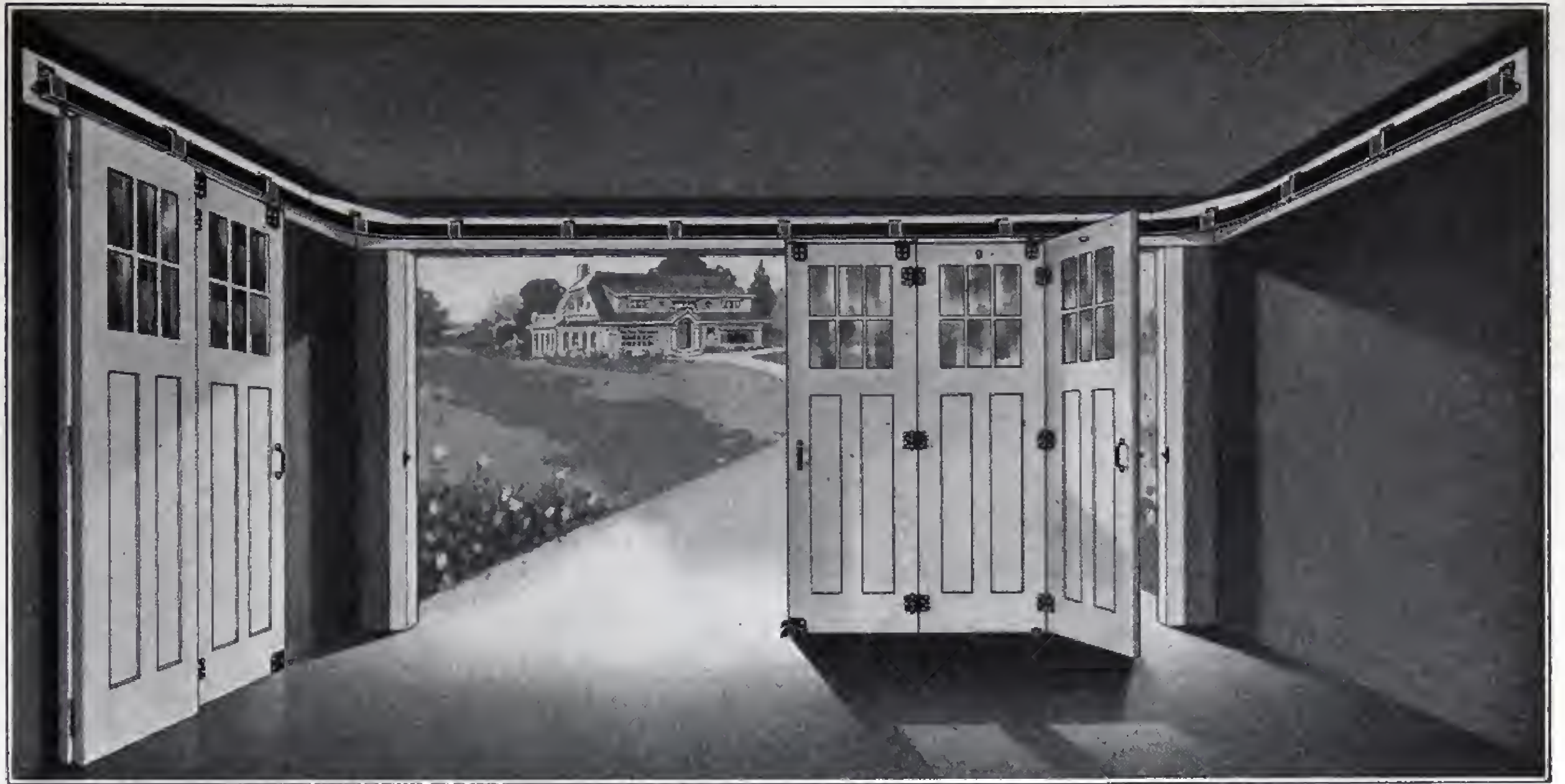


Fig. A-847—Interior View. Two Car Garage

Headroom Required
See "A" of Fig. A-848

For No. 31 Track ... $6\frac{3}{8}$ inches
For No. 232 Track ... $7\frac{7}{8}$ inches
For No. 33 Track ... $8\frac{1}{4}$ inches

Head room may be decreased $\frac{7}{8}$ " on Nos. 31 and 232 Track Equipments, and $\frac{1}{4}$ " on No. 33 Track Equipment, by using No. 7 style ceiling track brackets. A further reduction of $\frac{5}{8}$ " in headroom may be secured by sinking the hanger aprons into the top of the door.

Location of Bolt Holes and Bracket Spacings are given on page 114.

Fig. A-848—Interior elevation showing proper location and names of 235 Parts for 6-Door Sets, including one 516 Door Bolt and one 525 Door Lock.

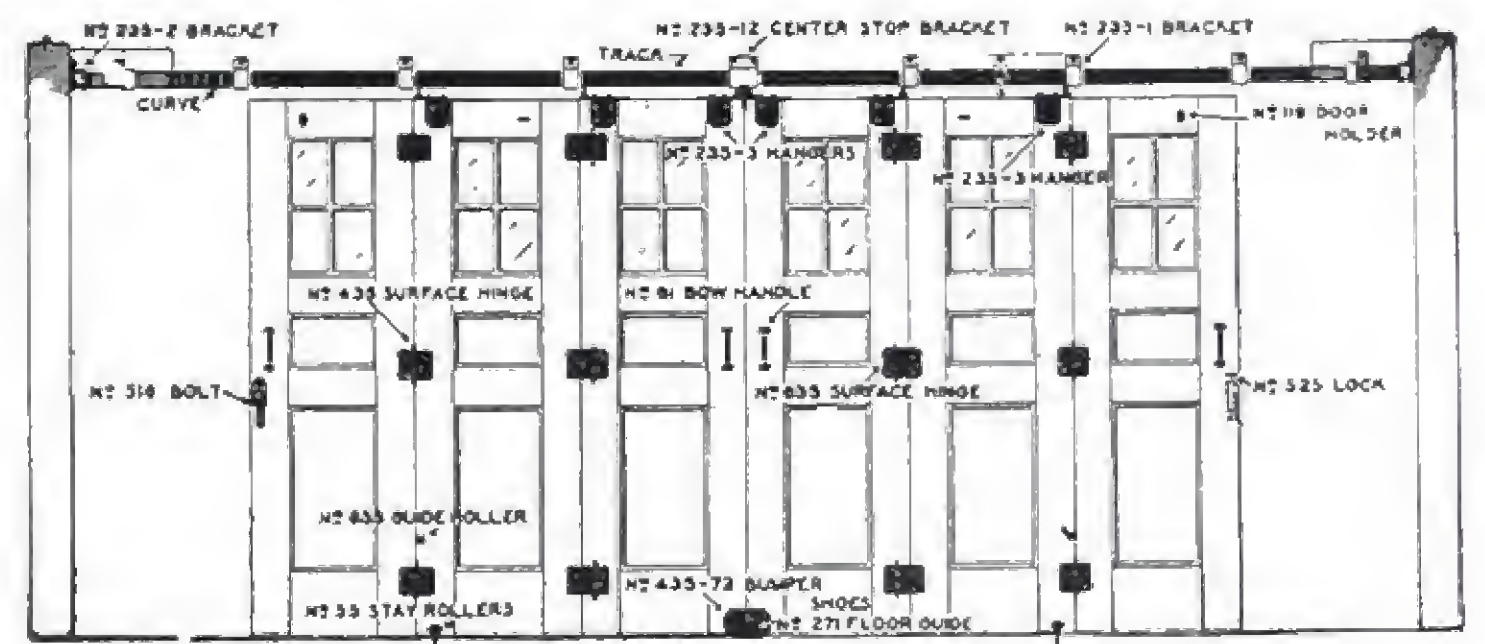


Fig. A-848—Set No. KK-4

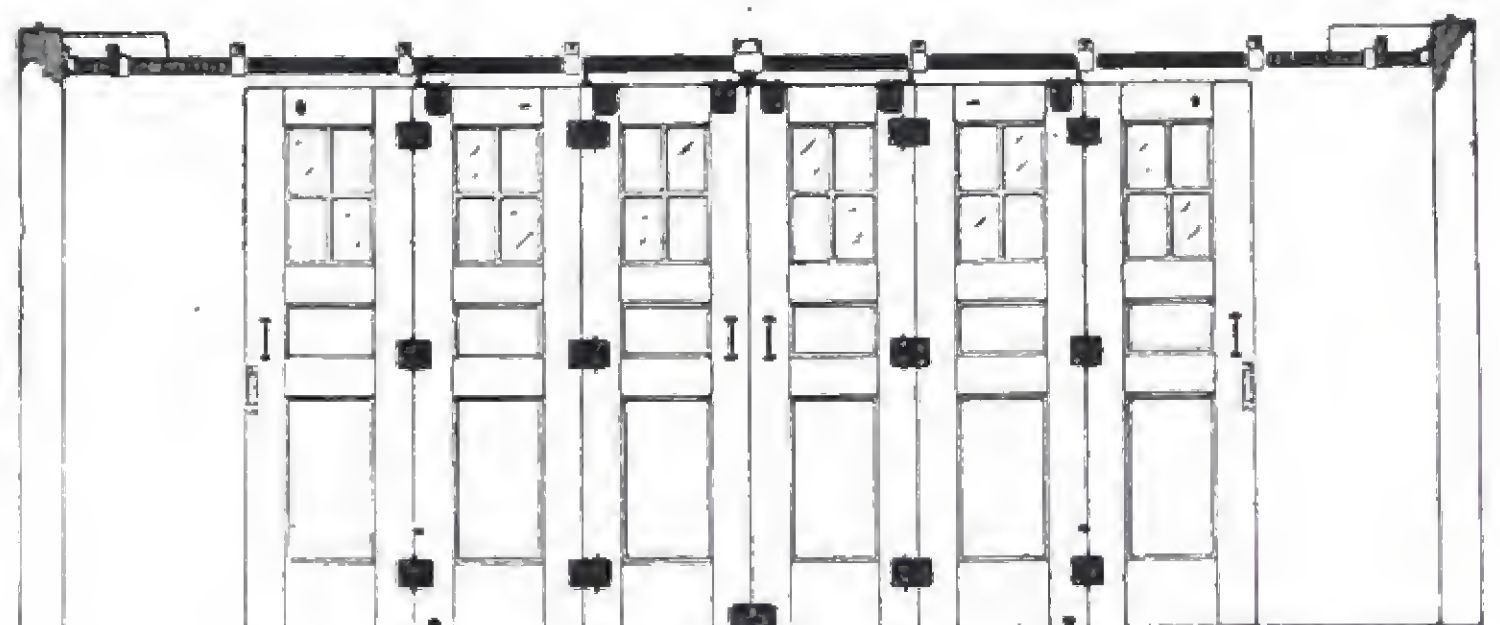


Fig. A-849—Set No. KK-2

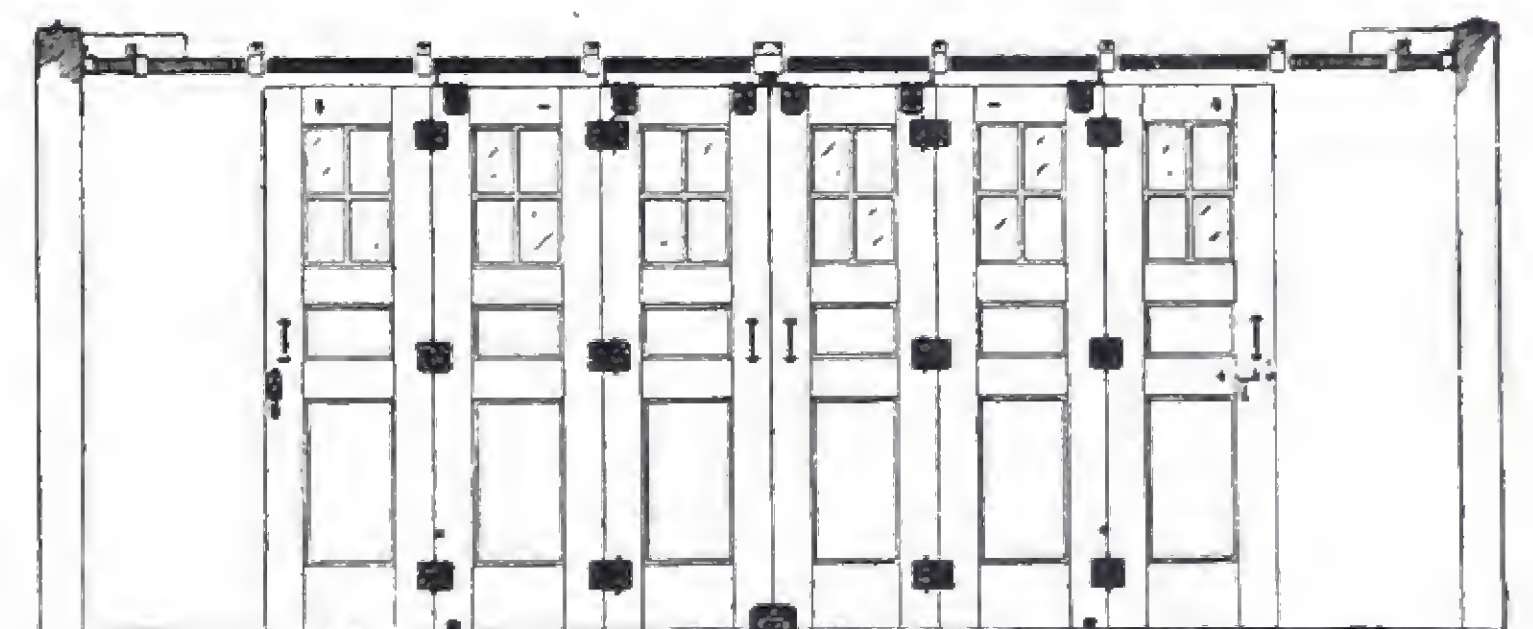


Fig. A-850—Set No. KK-3

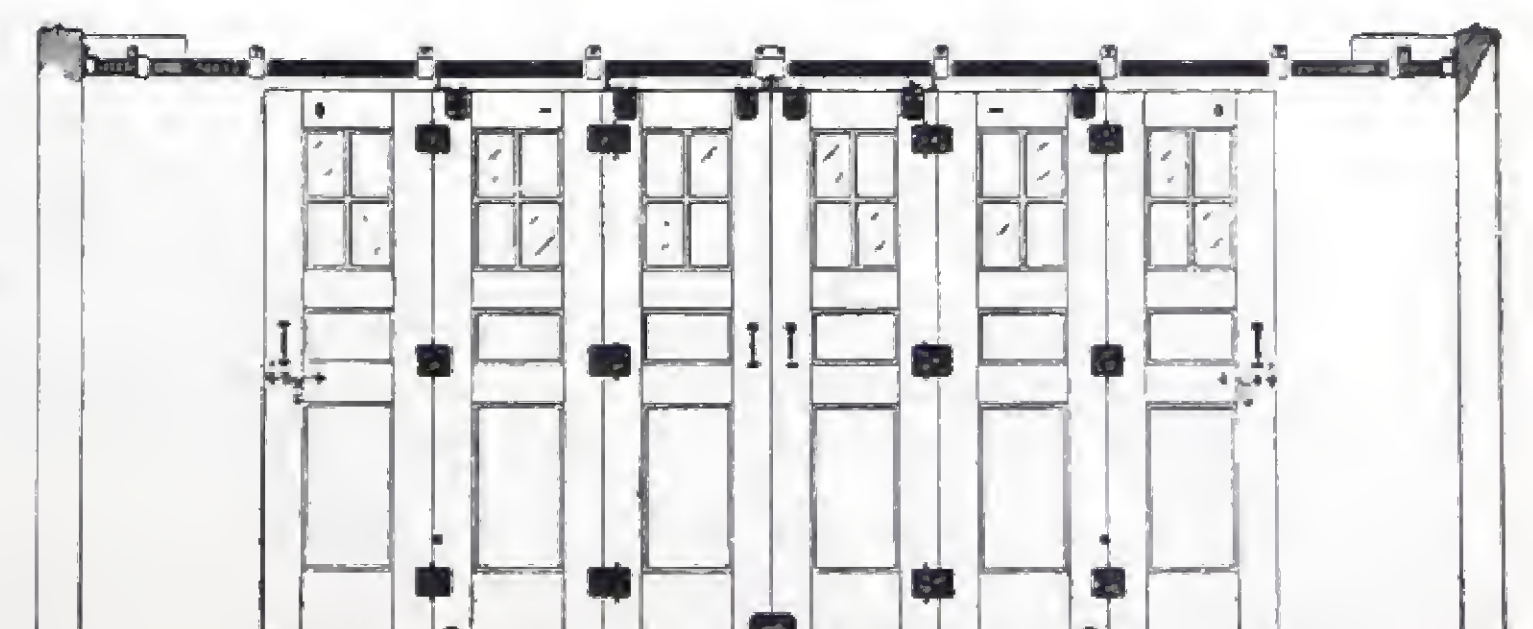
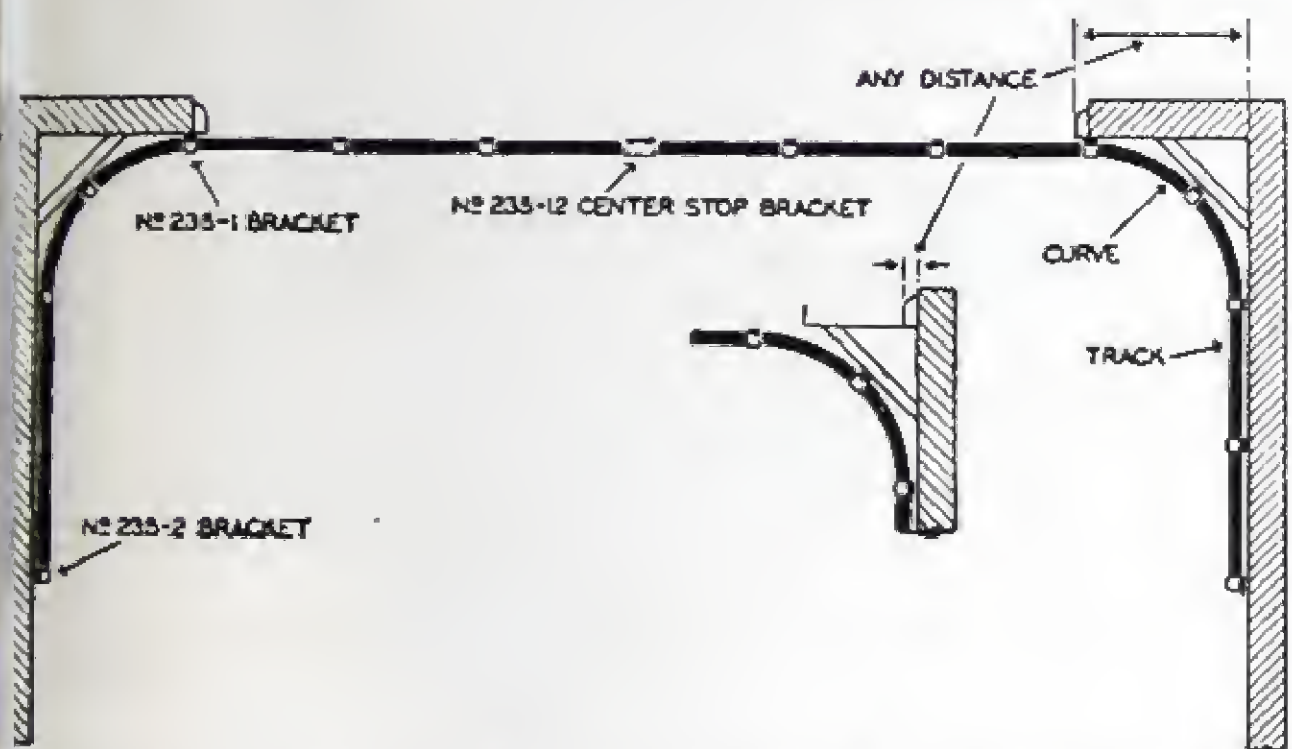


Fig. A-851—Set No. KK-1



Plan of Tracks—Large plan shows front wall extending from the side walls to the doorway, small plan shows doorway adjacent to side wall.



Doors Closed



Doors Partly Open



Doors Wide Open and at Right Angles to Front Wall.

Fig. A-846—Floor Plans

Typical CornR-Wise Installations





R-W No. 635

Garage Door Hardware



Fig. A-857—Doors operate around a Sharp Curve. Notice the small space required between Jamb and Side Wall.

THE No. 635 hardware set corresponds in general respects with the No. 235 "SlydaSyde" shown on the preceding pages, the door arrangement and movement being practically the same. The doors when open stand along the side wall at right angles to the opening, inside the building, and require a negligible amount of space for their operation in swinging around the corner.

The particular feature which distinguishes the No. 635 hardware, is the exceptionally narrow space between the jamb and the side wall in which the hardware can be installed, due to the No. 635 short radius corner bracket, and the Ball-Bearing Hangers, especially designed to operate in a short radius curve with a negligible amount of friction. Six inches or more of space between back edge of closed door and side wall, provides for free movement of the door.

Installations of No. 635 Hardware may be made with one or more doors in an opening of any width, the only limitation to the width of the opening being the corresponding side-wall space against which the doors must stand in open position.

Hardware mentioned in the following lists, cover openings with Single Doors sliding to one side; Double Doors, one of which slides to each side; Two Doors Hinged Together sliding to one side; and Two Pairs of Doors Hinged Together, one pair of which slide to each side.



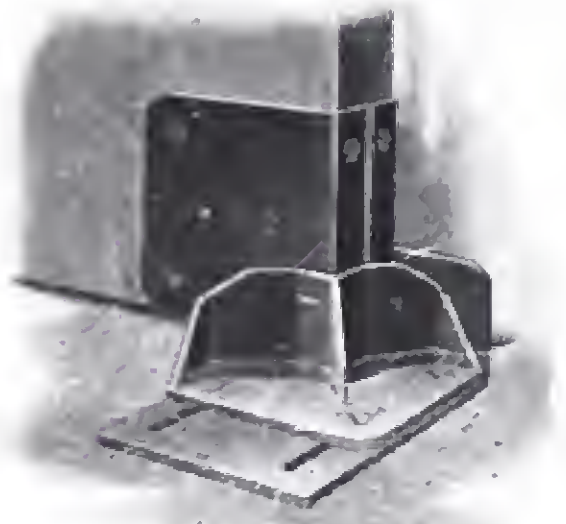
R-W No. 635 Garage Door Hardware



Four-Wheel Offset Hinged
Pendant Hangers
No. 635-3 for No. 31 track



Four-Wheel Rigid Pendant
Hangers
No. 635-1 for No. 31 track



Floor End Stop No. 272
Bumper Shoes, No. 435-72



Center Bracket
No. 635-1x31



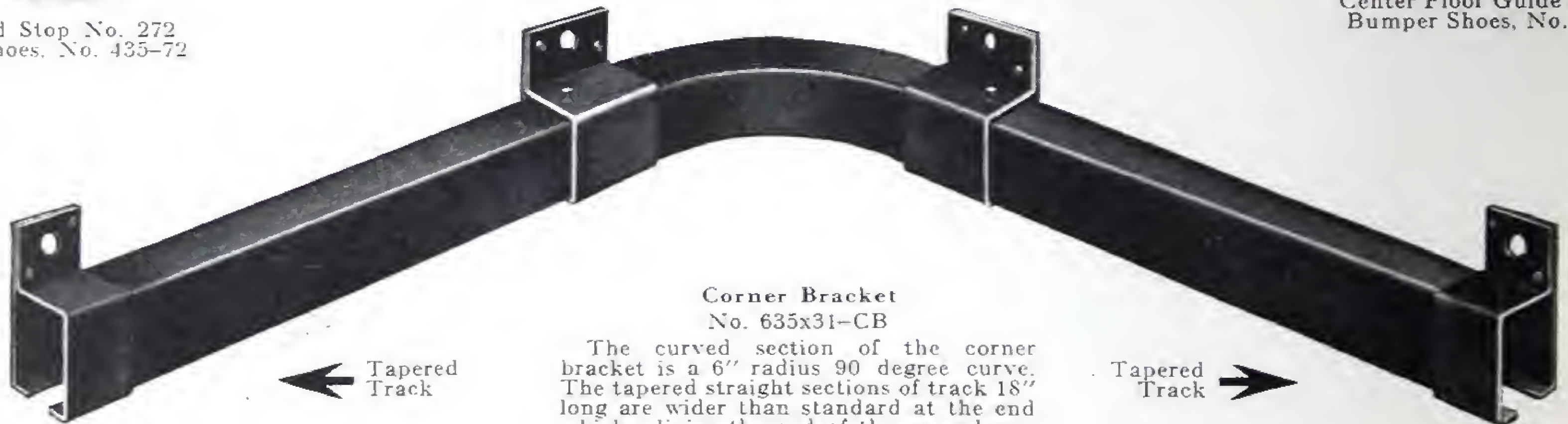
Center Stop
Bracket
No. 635-12x31



End Bracket
No. 635-2x31



Center Floor Guide No. 271
Bumper Shoes, No. 435-72

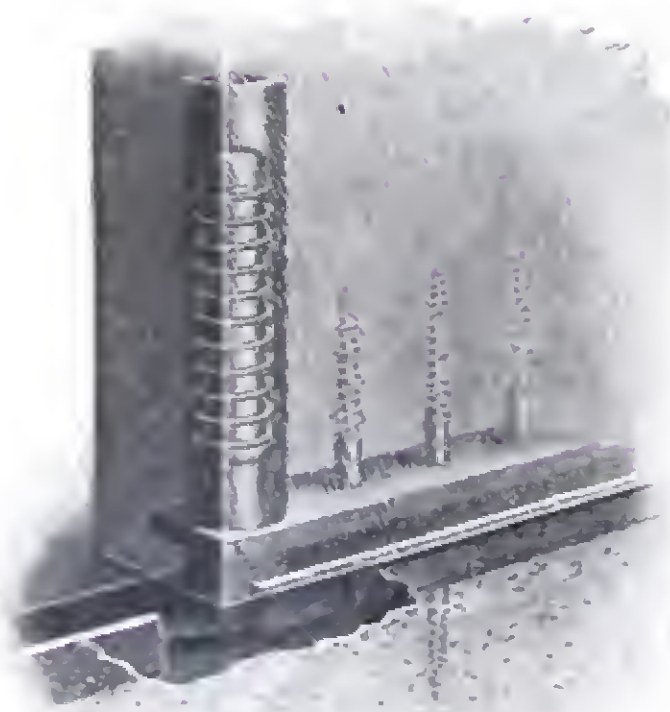


Corner Bracket
No. 635x31-CB

The curved section of the corner bracket is a 6" radius 90 degree curve. The tapered straight sections of track 18" long are wider than standard at the end which adjoins the end of the curved section. They are held in place in the bracket by set screws which bind on beveled bosses found in the top of the tracks. The bracket on the outer end of the track is welded to the track. The design permits plenty of space for free movement of hanger around the curve and prevents the joints in the track from opening.

← Tapered
Track

Tapered
Track →



No. 635 F. G. Floor Guide
and No. 635-TK Floor Guide
Track



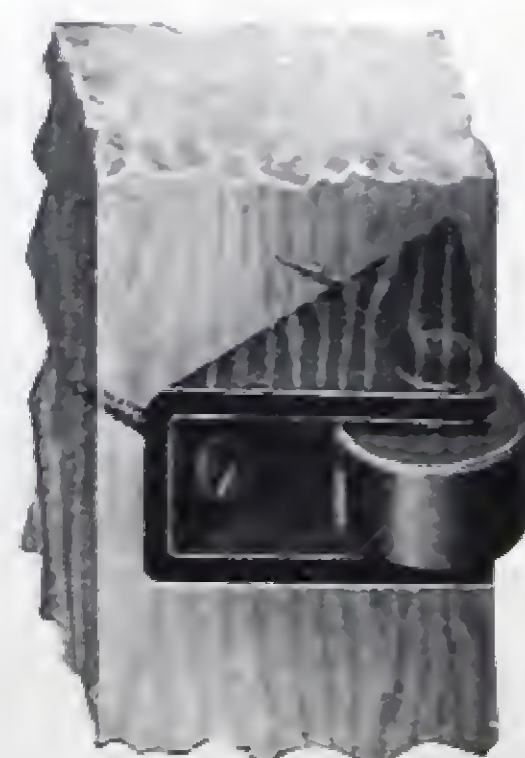
No. 31 Straight Track



Surface Hinge
No. 635



Flush Drop Handle
No. 170



No. 635 Corner Guide
Roller



Bow Handle
No. 81



R-W No. 635

Garage Door Hardware



Fig. A-858—Two car garage, equipped with "CornR Wise" door hardware.

Fig. A-860—Each of the square spaces in the diagram represent one foot. Curved lines indicate the line of travel of doors. The diagram is laid out for doors from 3 to 10' wide. The clearance lines are based on the width of each door and not on the width of the opening in the case of sets T and U, where two doors are hinged together.

Example: A door 8' wide would require in being opened, a space of 5 1/2' from side wall at a point 1' from the front wall; 4' from side wall at a point 2' from the front wall; 2'10" from side wall at a point 3' from front wall; 2' from side wall at a point 4' from front wall; 1'5" from side wall at a point 5' from front wall; and 9" from side wall at a point 6' from front wall.

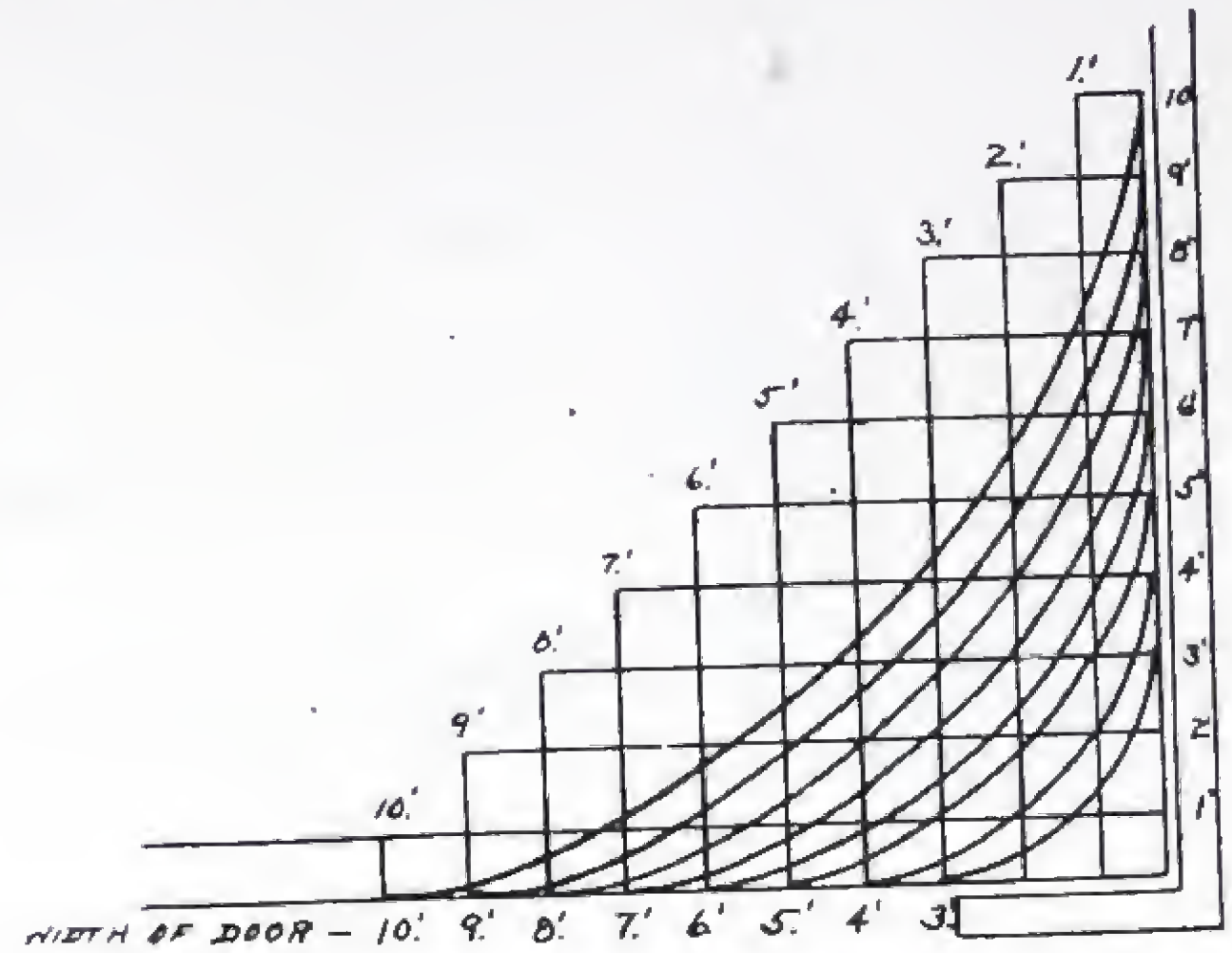


Fig. A-860—Clearance Diagram
Doorway with 3' space from jamb to side wall, but the distance from back edge of door (not opening) to side wall need not be more than 6".
The curves will be the same distance from side wall regardless of the distance from jamb to side wall.

Hanger Dimensions

Hanger No.	For Track No.	Diameter Wheels, Inches	Bearings in Hanger	Pendant	Headroom Above Top of Door (Not Opening)	
					Doors in Pairs	Single Doors
635-1 635-3	31 31	2 1/8 2 1/8	Ball Ball	Rigid Hinged	6 5/8" to 7 3/8" 6 5/8" to 7 3/8"	5 3/8" to 7 1/8"

Detail of Hardware and List Price of Parts

DESCRIPTION	Light Weight Hardware using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick		
	Catalog Number	List Price	Shipping Wt., lbs.
Hangers, Rigid.....	635-1	\$4.00	4 1/4
Hangers, Hinged Pendant, each.....	635-3	4.00	5
Trolley Track (page 110), per foot.....	31	.30	1 3/8
Brackets, Center (page 107), each.....	1x31	.30	1
Brackets, Center Stop (page 107), each.....	12x31	.85	2 1/4
Brackets, Corner (page 107), each, With 18" of tapered track at each end.....	635x31-CB	3.50	10
Brackets, End (page 107), each.....	2x31	.30	1
Hinges, Surface (page 129), per pair.....	635-4"	1.20	2
Bow Handles (page 125), each.....	81-1	.35	1/2
Flush Drop Handles (page 125), each.....	170	.50	1 1/2
Floor End Stops (page 126), each.....	272	.85	2 1/2
Bumper Shoes, (page 126), each.....	435-72	.14	1/4
Guide Rollers, each.....	635	.50	3/4
Corner Guide Strips, each.....	635	.40	3/4
Floor Guide (page 127), each.....	635-FG	1.35	3/4
Center Floor Guide (page 126), each.....	271	.96	3
Floor Guide Track (page 127), per foot.....	635-TK	.20	5/8
Floor Guide Track Curve (page 127), each.....	635-C	1.00	1

Discount.....



Patented

R-W No. 635

Corner Door Hardware

Single Door "R" and "RR" Sets

Minimum distance from edge of door (not opening) when closed, to side wall is 6 inches

List Price for Complete Sets

The prices include hardware for set desired (as listed in table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows:	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 1/4" to 2 1/4" thick	
	List Price	Shipping Wt., lbs.
Sets RR-1, to lock doors from inside only, including 1 No. 524-1 Cane Bottom Bolt (page 121)		
Opening up to 8' wide.....	\$24.00	72
Opening 8'1" to 9' wide.....	24.75	74
Opening 9'1" to 10' wide.....	25.50	76
Sets RR-2, to lock doors from inside only, including 1 No. 516 Door Bolt (page 122) Minimum lap of door over jamb is 2 inches.		
Opening up to 8' wide.....	25.50	72
Opening 8'1" to 9' wide.....	26.25	74
Opening 9'1" to 10' wide.....	27.00	76
*Sets RR-3, to lock doors from both inside and outside, including 1 No. 525 Door Lock (page 117)		
Opening up to 8' wide.....	26.85	73
Opening 8'1" to 9' wide.....	27.60	75
Opening 9'1" to 10' wide.....	28.35	77

Note—*When the No. 525 Door Lock is attached to the front edge of the door, it is advisable, though not necessary, to use the No. 635 Floor Guide, (listed page 127), to hold the back edge of the door tight against the casing.
Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.
Direction Sheet showing erection details furnished with hardware.
If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and kind of track and locking bolts wanted. Width of opening. Distance between jamb and side wall. Thickness of doors. Distance door laps on jamb. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "CornR-Wise" No. 635 Single Door Equipment RR-1 for No. 31 Track, with No. 524-1 Bolt. Opening 9' wide. 12" between jamb and side wall. Door 1 1/4" thick. Door laps on jamb 2".

Detail of Hardware and List Price of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Single Doors "RR", Complete Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 1/4" to 2 1/4" thick	
	Catalog Number	List Prices and Weights
2 Hangers, Ball Bearing.....	635-1	Page 71
2 Pcs. Trolley Track (Two runs of trolley track; One run equals width of opening plus distance from jamb to side wall, minus 2'; 1 run equals width of opening minus 1 1/2').....	31	"
7 Brackets, Center Track (For opening over 10' wide, add two extra Center Brackets for each additional foot of opening).....	635-1x31	"
2 Brackets, End.....	635-2x31	"
1 Bracket, Corner.....	635x31-CB	"
4 Bumper Shoes.....	435-72	"
1 Flush Drop Handle.....	170	"
2 Floor End Stops.....	272	"
1 Corner Guide Strip (Where Floor Guide is used, Guide Strip may be omitted).....	635	"
1 Guide Roller (Where Floor Guide is used, Guide Roller may be omitted).....	635	"
2 Bow Handles.....	81-1	"
One Set of Locking Bolts (Selected from the following sets)		
1 Cane Bottom Bolt (For use with RR-1 Sets).....	524-1	See Page 121
1 Door Bolt (For use with RR-2 Sets).....	516	122
1 Door Lock (For use with RR-3 Sets).....	525	117

Single Door "R" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

For the convenience of dealers who carry our Trolley Track, Locks and Locking Bolts in stock, we are in a position to furnish a Short Set at the following price:

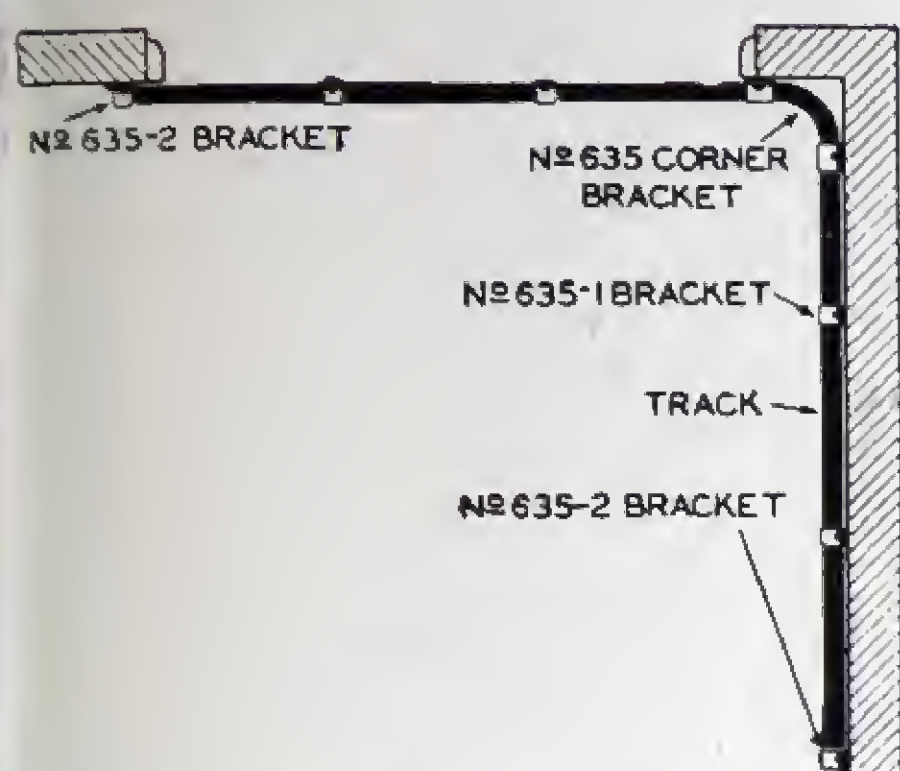
One "R" Short Set for 31 Track, weight 34 lbs., per set.....\$15.25

Example Order—1 "R" Short Set, "CornR-Wise," Single Door, Equipment, for No. 31 Track.

Discount.....

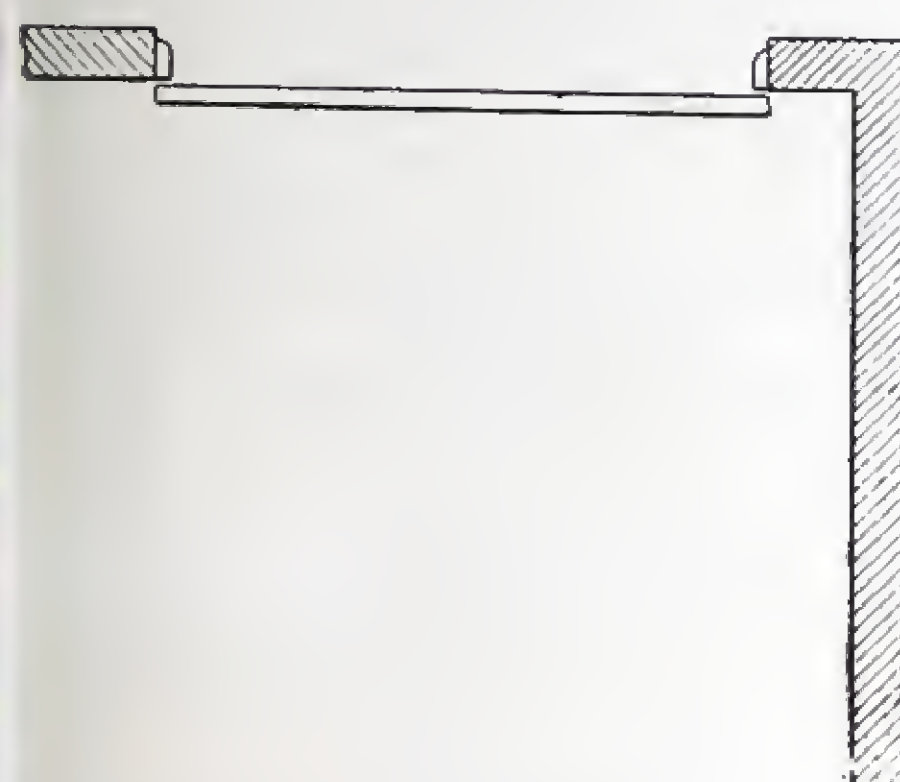


R-W No. 635 Garage Door Hardware for Single Doors

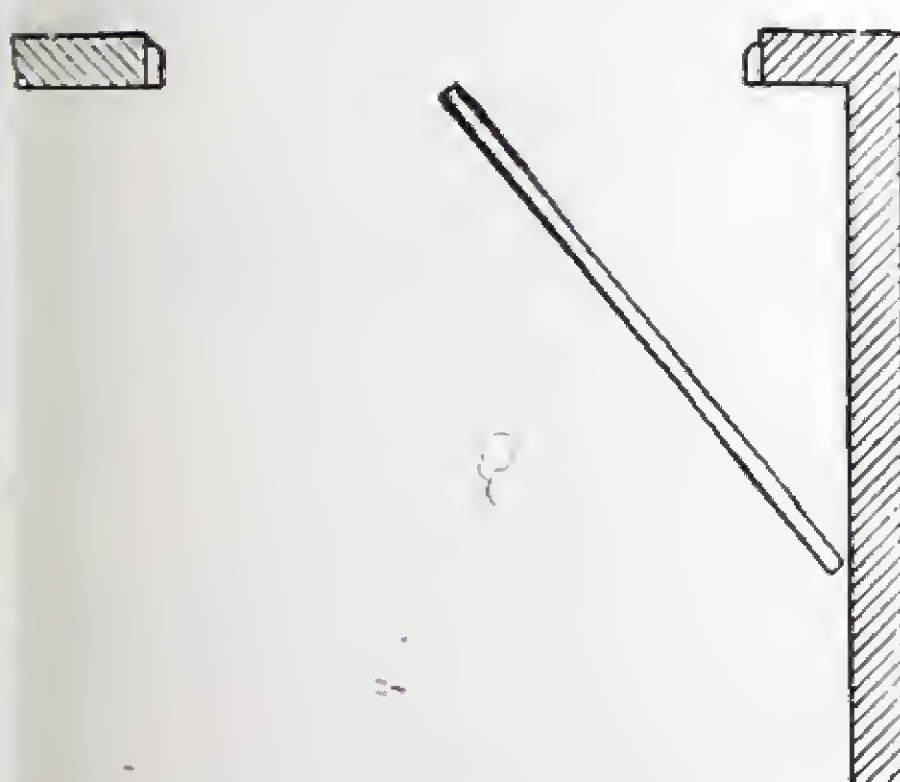


Plan of Tracks

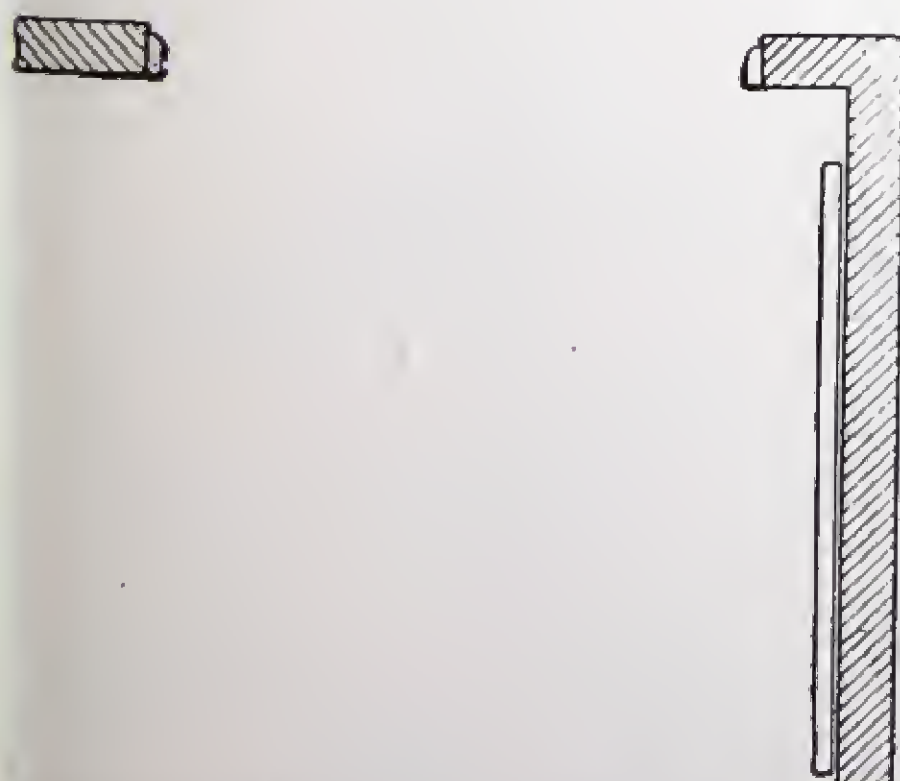
Headroom Required
Between Top of Door
and
Top of Track Bracket
(See "A" of Fig. A-863)
For No. 31 Track... $7\frac{1}{8}"$



Door Closed



Door Partly Open



Door Wide Open and at Right Angles to Front Wall

Fig. A-861—Floor Plans

Fig. A-863
Interior elevation, Set RR-1,
showing proper location and
names of 635 Parts, including
one 524 Cane Bottom Bolt.

Fig. A-864
Interior elevation, Set RR-2,
showing 635 Hardware, includ-
ing one 516 Door Bolt

Fig. A-865
Interior elevation, Set RR-3,
showing 635 Hardware, includ-
ing one 525 Door Lock.

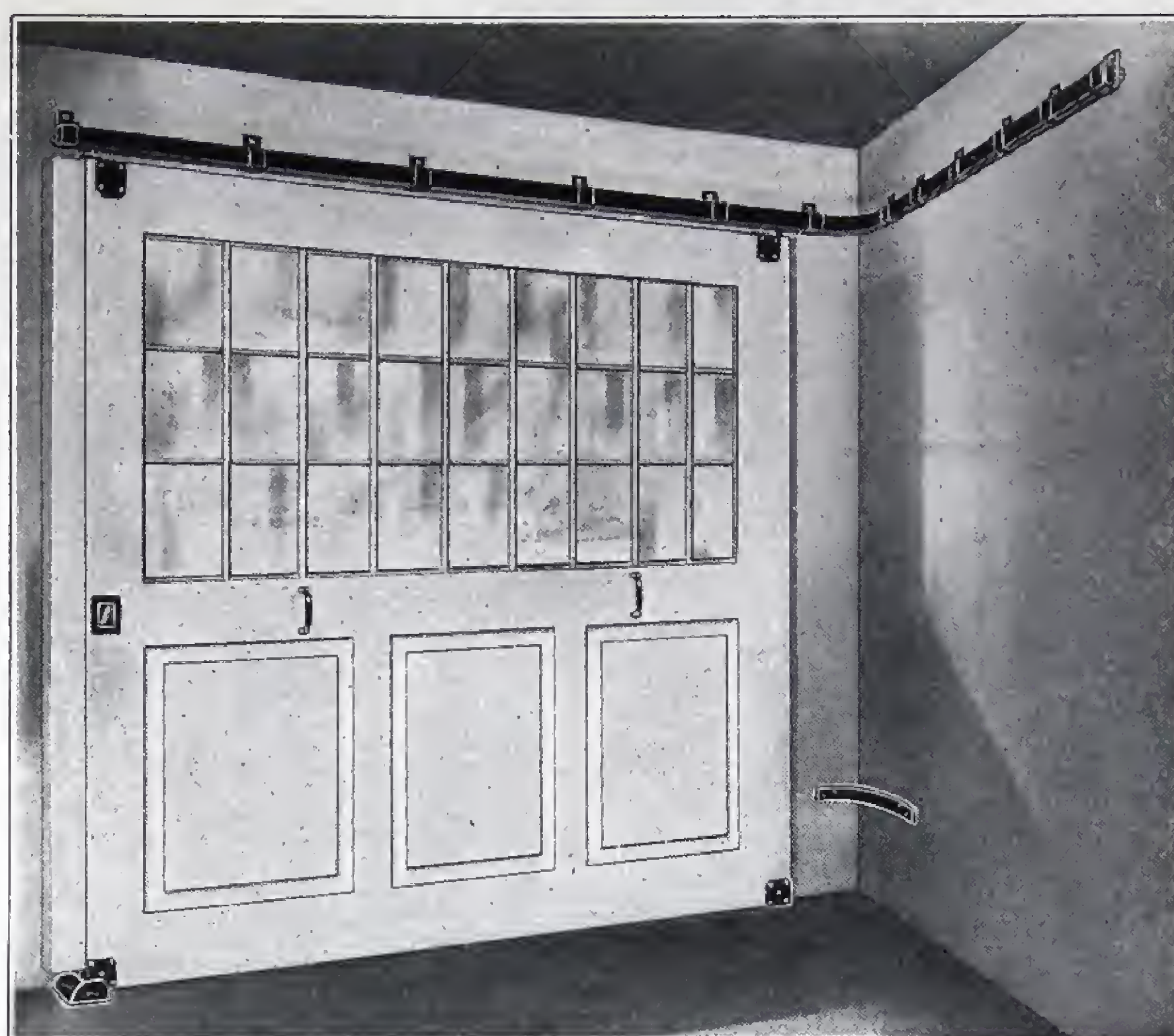


Fig. A-862—Interior View of Private Garage. See also center illustration on page 70.

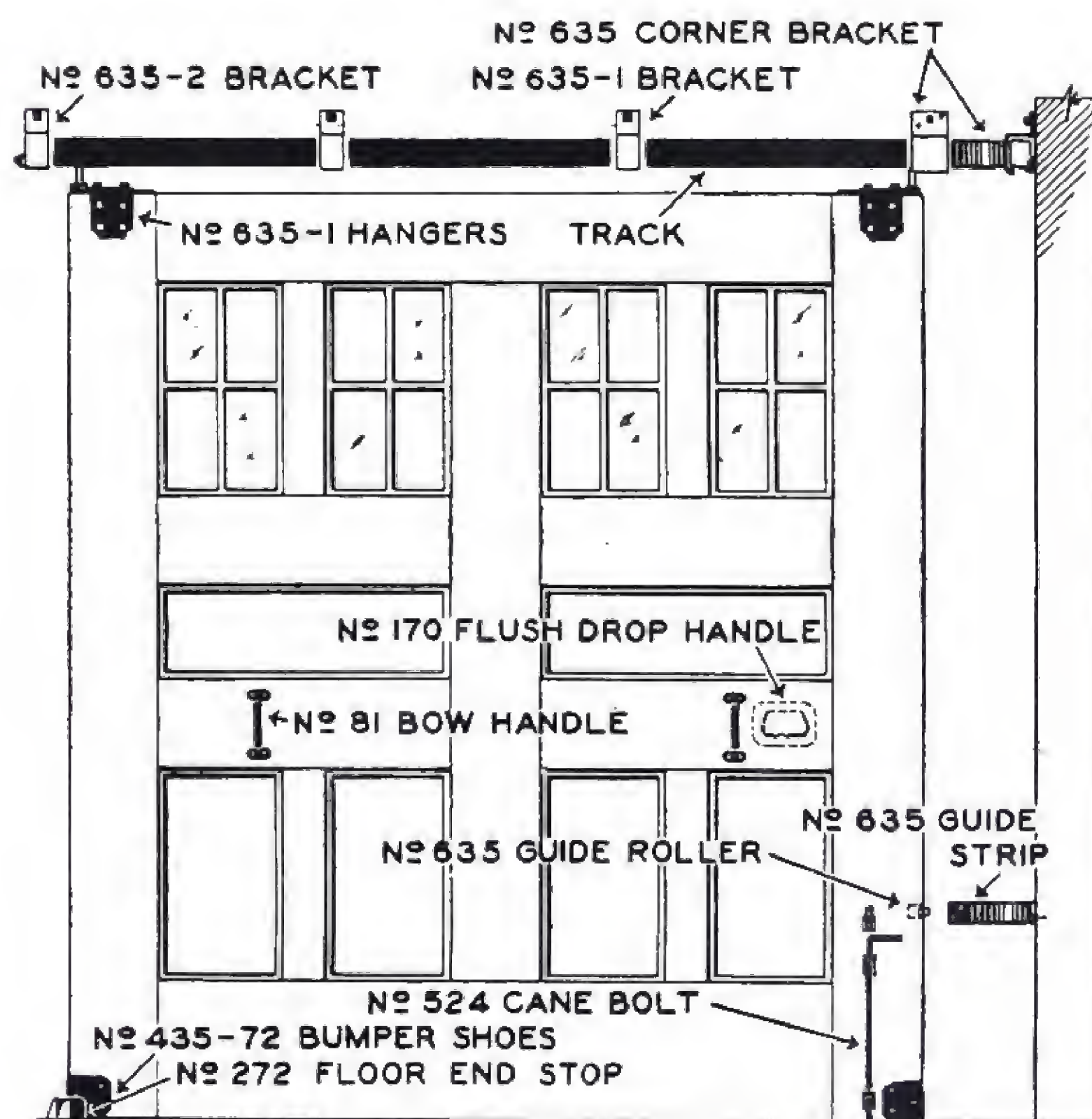


Fig. A-863—Set RR-1

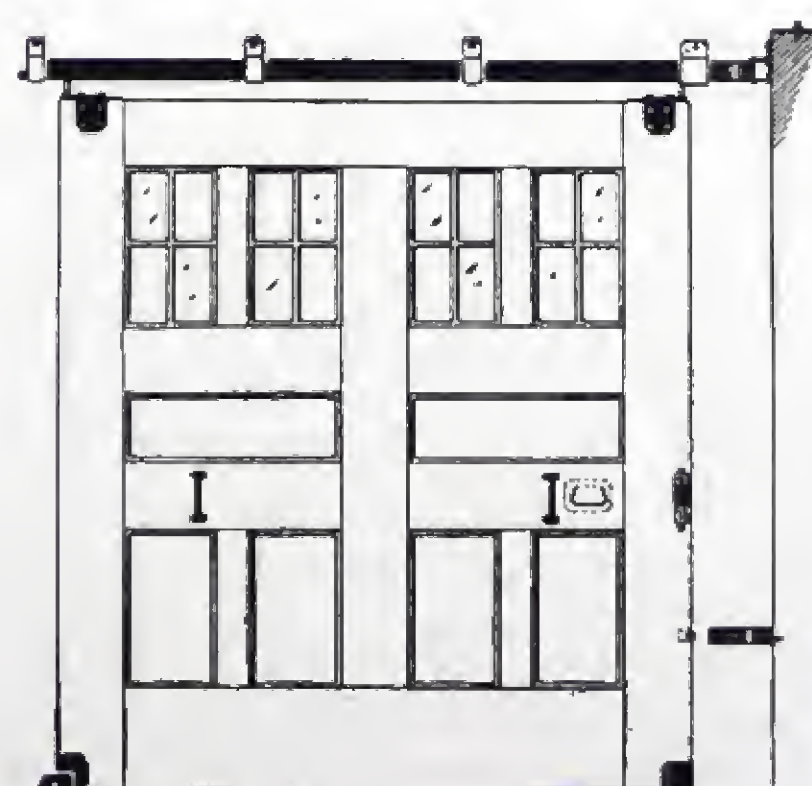


Fig. A-864—Set RR-2

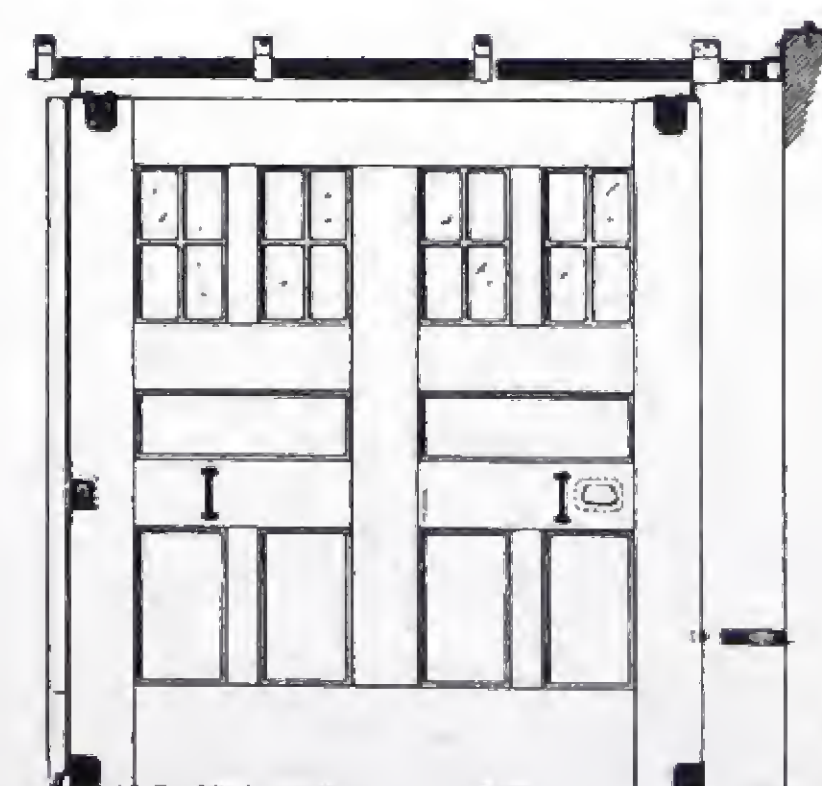


Fig. A-865—Set RR-3



Patented

R-W No. 635 Corner Door Hardware

Double Door, "S" and "SS" Sets

Minimum Distance from edge of door (not opening) when closed, to side wall is 6 inches

List Price for Complete Sets

The prices include hardware for set desired
(as listed in table entitled—"Detail of Hardware and List of Parts"),
together with all Wall Bolts and Screws necessary to erect,
Plus Locking Bolts as follows:

	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick	
	List Price	Shipping Wt., lbs.
Sets SS-1, to Lock Doors from inside only, including 2 No. 524-1 Cane Bottom Bolts (page 121)		
Opening up to 8' wide.....	\$43.00	101
Opening 8'1" to 9' wide.....	43.75	103
Opening 9'1" to 10' wide.....	44.50	105
Sets SS-2, to lock doors from inside only, including 2 No. 516 Door Bolts (page 122). Minimum lap of door over jamb is 2 inches.		
Opening up to 8' wide.....	47.00	101
Opening 8'1" to 9' wide.....	47.75	103
Opening 9'1" to 10' wide.....	48.50	105
*Sets SS-3, to lock doors from both inside and outside, including 1 No. 524-1 Cane Bottom Bolt (page 121) and 1 No. 525 Door Lock (page 117)		
Opening up to 8' wide.....	45.85	102
Opening 8'1" to 9' wide.....	46.60	104
Opening 9'1" to 10' wide.....	47.35	106
*Sets SS-4, to lock doors from both inside and outside, including 1 No. 516 Door Bolt (page 122), and 1 No. 525 Door Lock (page 117). Minimum lap of door over jamb is 2 inches.		
Opening up to 8' wide.....	47.35	102
Opening 8'1" to 9' wide.....	48.10	104
Opening 9'1" to 10' wide.....	48.85	106
*Sets SS-5, to lock doors from both inside and outside, including 1 No. 525 Door Lock (page 117)		
Opening up to 8' wide.....	45.00	99
Opening 8'1" to 9' wide.....	45.75	101
Opening 9'1" to 10' wide.....	46.50	103

Note—*When the No. 525 Door Lock is attached to the front edge of the door, it is advisable, though not necessary, to use the No. 635 Floor Guide (listed page 127), to hold the back edge of the door tight against the casing.
Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.
Direction Sheet showing erection details furnished with hardware.
If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and kind of track. Width of opening. Distance between jambs and side wall. Thickness of doors. Distance door laps on jamb. Always send sketch of floor plans with above dimensions inserted.
Example Order of Complete Sets—One Set, "CornR-Wise" No. 635 Double Door Equipment SS-1 for No. 31 Track, with No. 524-1 Bolt. Opening 9' wide, 12" between jambs and side wall. Door 1 3/4" thick. Doors lap on jambs 2".

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Double Doors "SS", Complete Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick	
	Catalog Number	List Prices and Weights
2 Hangers, Ball Bearing.....	635-1	Page 71
2 Hangers, Ball Bearing.....	635-3	
3 Pcs. Trolley Track (Three runs of trolley track: One run equals width of opening plus distance from jambs to side wall, minus 4 feet; Two runs equal 1/2 width of opening minus 1 1/2 feet).....	31	
6 Brackets, Center Track (For opening over 10 feet wide add 3 extra Center Brackets for each additional 2 feet of opening).....	635-1x31	"
2 Brackets, End.....	635-2x31	
1 Bracket, Center Stop.....	635-12x31	
2 Brackets, Corner.....	635x31-CB	"
8 Bumper Shoes.....	435-72	
4 Bow Handles.....	81-1	
1 Flush Drop Handle.....	170	"
2 Floor End Stops.....	272	
1 Center Floor Guide.....	271	
2 Corner Guide Strips (Where Floor Guide is used Corner Guide Strips may be omitted).....	635	"
2 Guide Rollers (Where Floor Guide is used Guide Rollers may be omitted, see page 127).....	635	
1 Set of Locking Bolts (Selected from the following sets)		
2 Cane Bottom Bolts (For use with SS-1 Sets) or.....	524-1	See Page
2 Door Bolts (For use with SS-2 Sets).....	516	
1 Cane Bottom Bolt.....	524-1	121
and 1 Door Lock (For use with SS-3 Sets).....	525	117
1 Door Bolt.....	516	122
and 1 Door Lock (For use with SS-4 Sets).....	525	117
1 Door Lock (For use with SS-5 Sets).....	525	117

Double Door "S" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

For the convenience of dealers who carry our Trolley Track, Locks and Locking Bolts in stock, we are in a position to furnish a Short Set at the following price:

One "S" Short Set for 31 Track, weight 60 lbs., per set.....\$31.25
Example Order—1 S Short Set, "CornR-Wise," Double Door Equipment, for No. 31 Track.

Headroom Required

Between Top of Door and Top of Track Bracket

For No. 31 Track.....7 1/8"

Discount.....



Patented

Double Doors

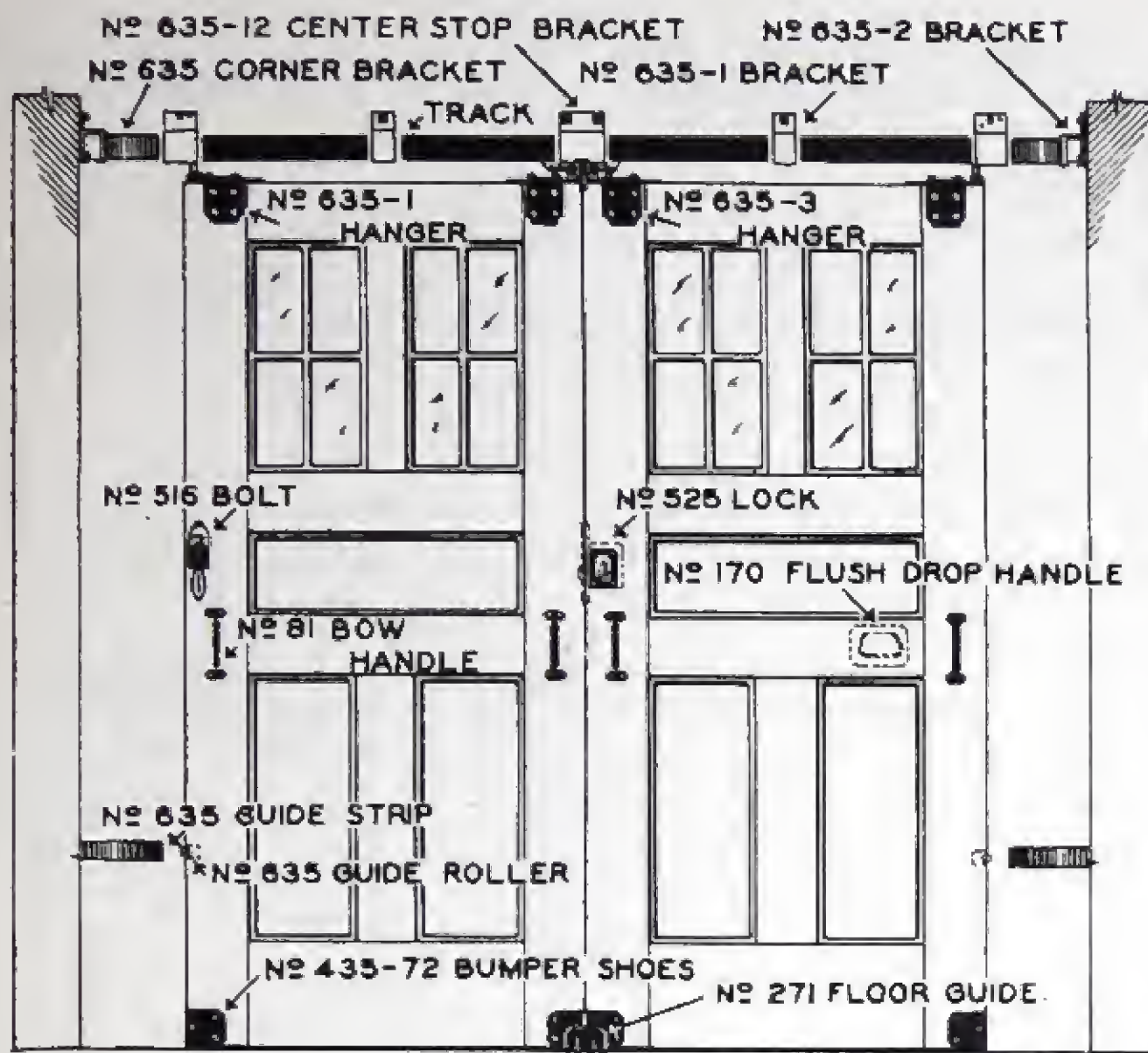


Fig. A-866—Interior elevation showing proper location and names of 635 Parts for Double Doors, SS-4 Sets, including one 516 Door Bolt and one 525 Door Lock.

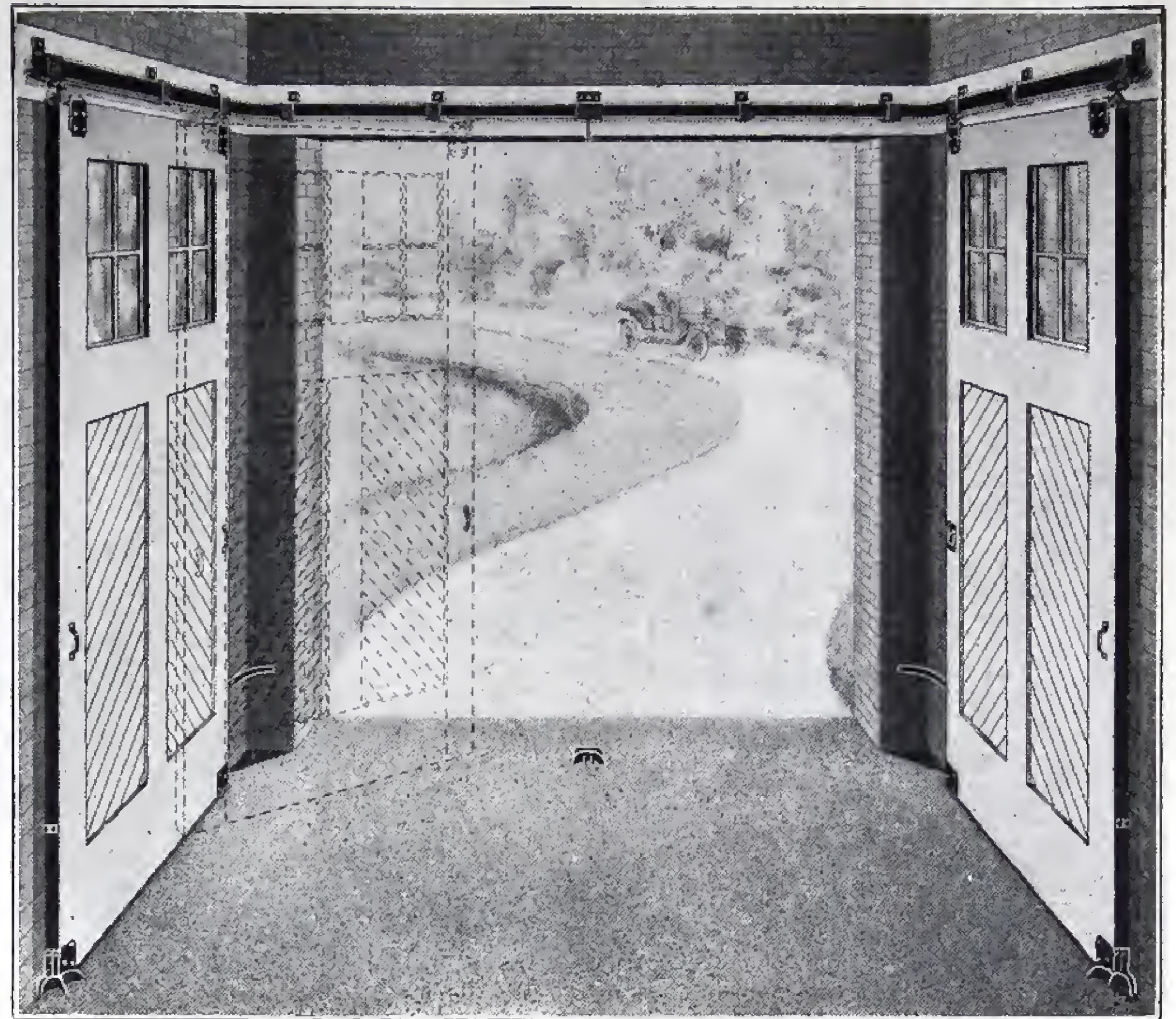
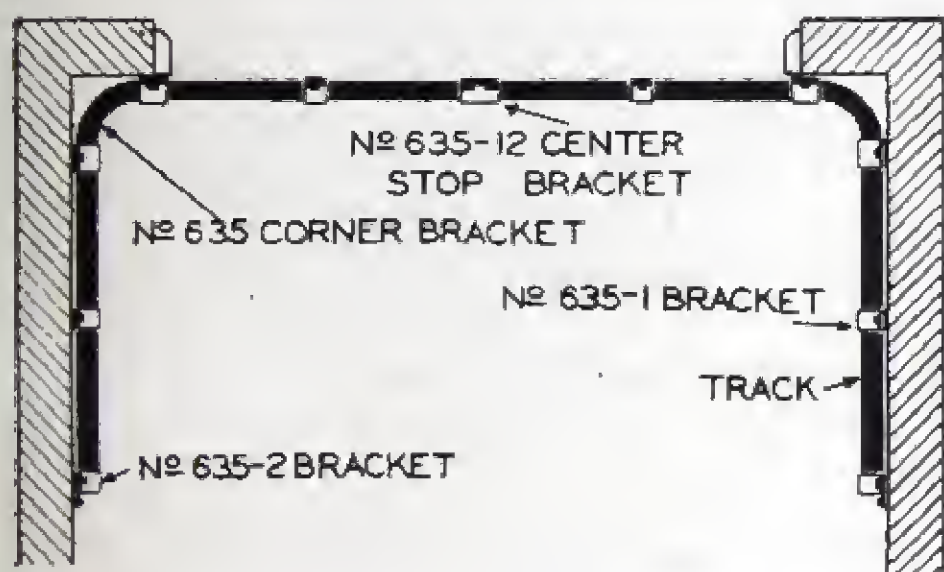


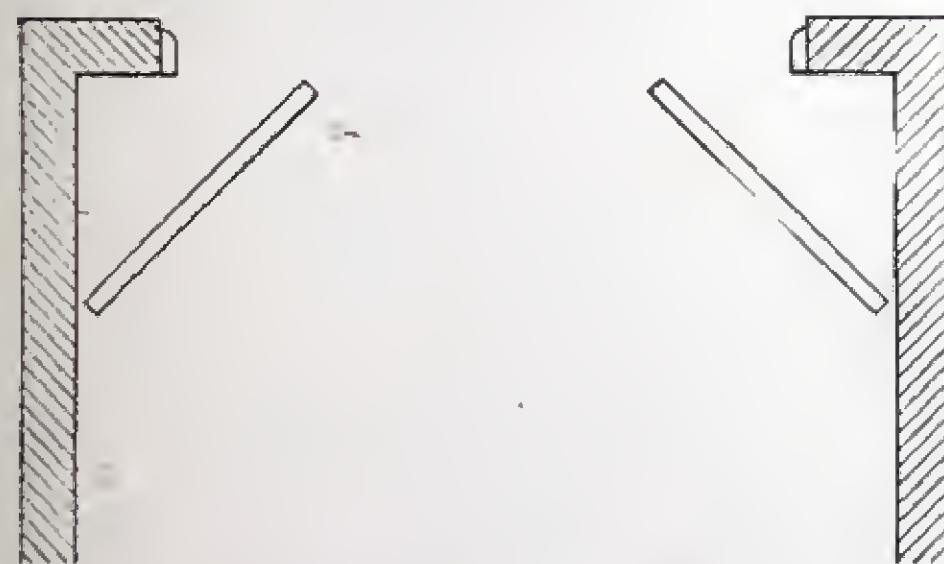
Fig. A-867—Interior View. Dotted Lines Indicate Position of Door when Partly Open



Plan of Tracks



Door Closed



Doors Partly Open



Doors Wide Open and at Right Angles to Front Wall

Fig. A-868—Floor Plans

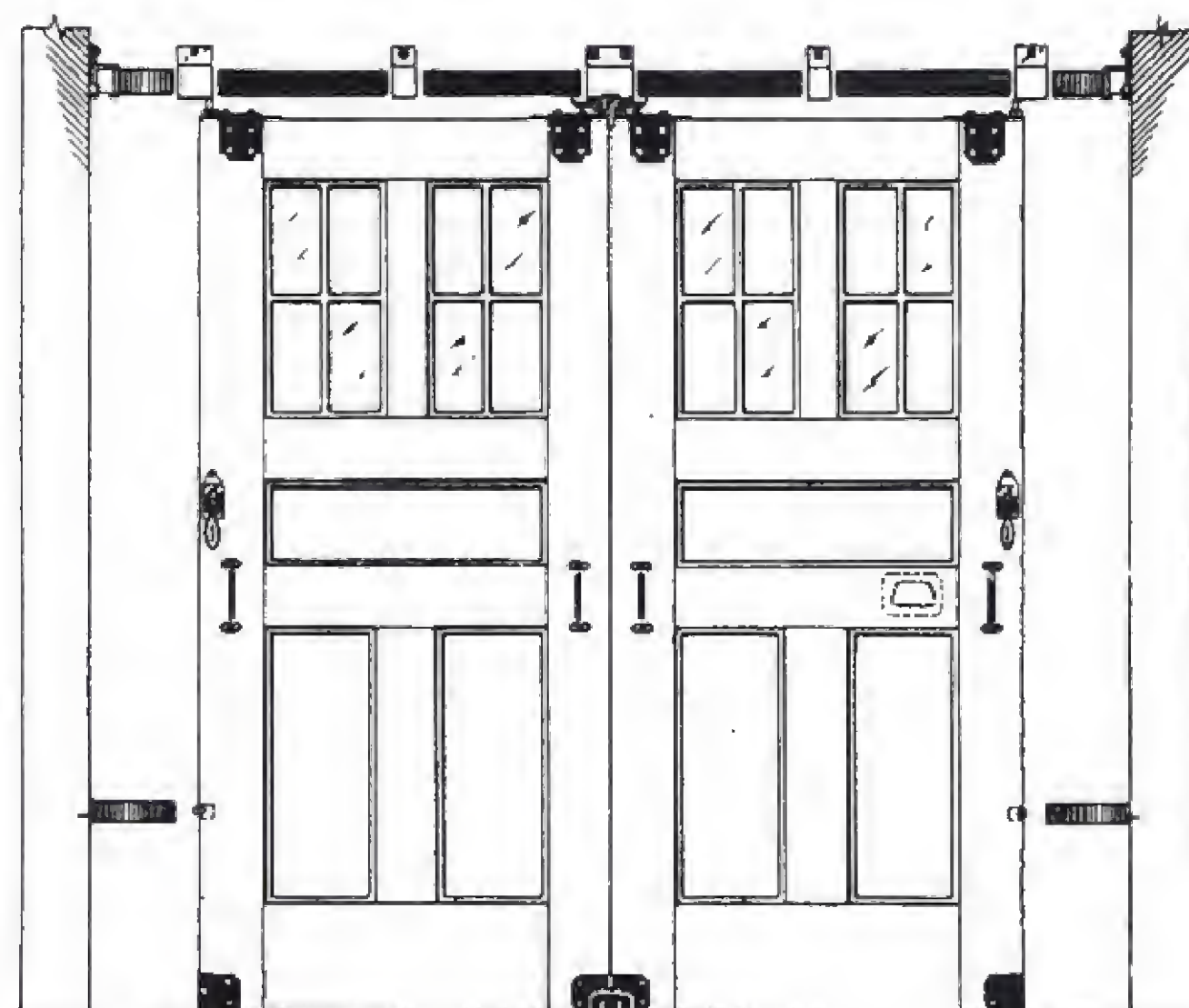


Fig. A-869—Interior elevation showing 635 Hardware, SS-1 Set, including two 516 Door Bolts

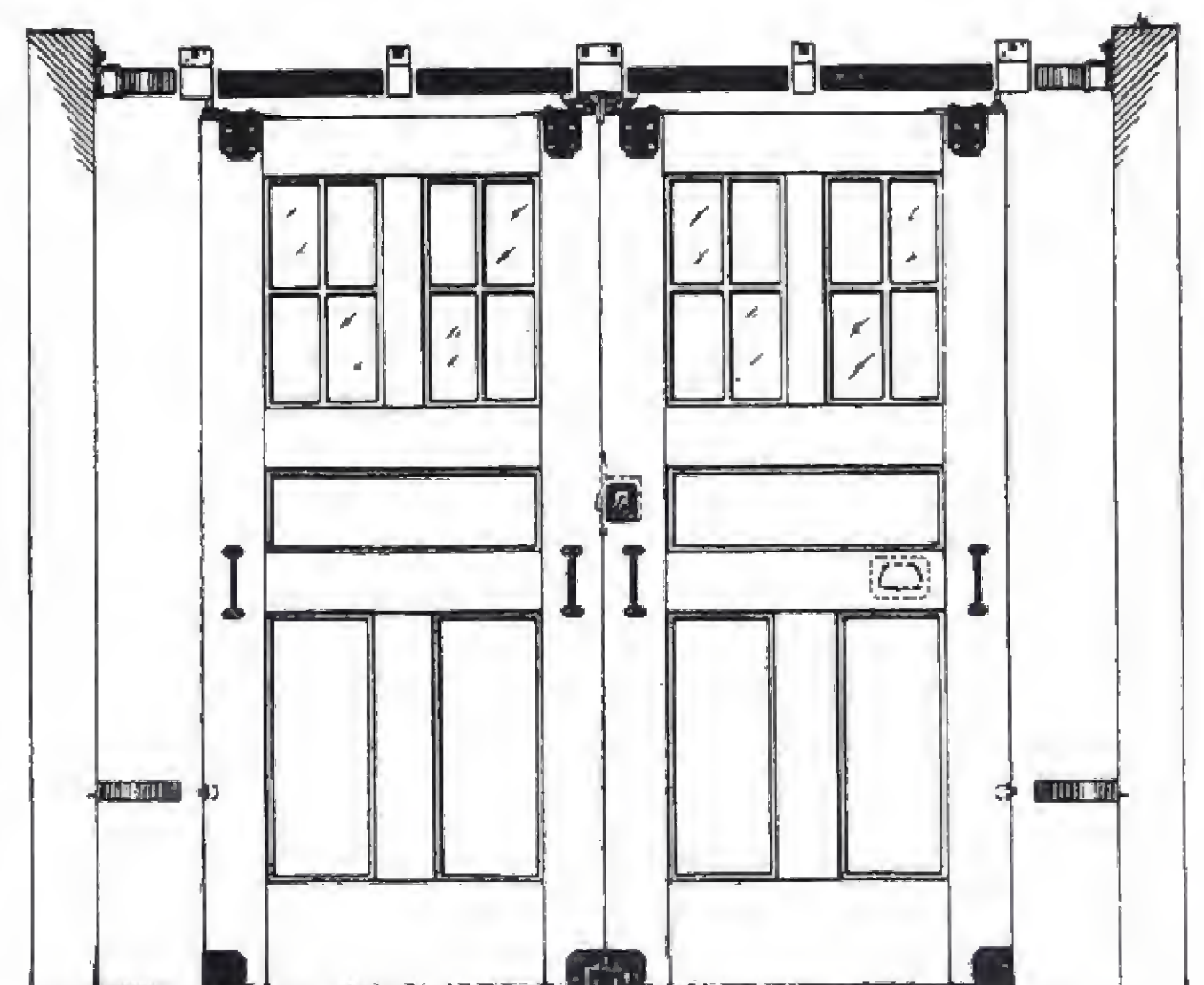


Fig. A-871—Interior elevation showing 635 Hardware, SS-5 Set, including one 525 Door Lock



Fig. A-870—Interior elevation showing 635 Hardware, SS-2 Set, including two 524 Cane Bottom Bolts.



Fig. A-872—Interior elevation showing 635 Hardware, SS-3 Set, including one 524 Cane Bottom Bolt and one 525 Door Lock



Patented

R-W No. 635

Corner Door Hardware

Two Doors Hinged Together, "T" and "TT" Sets

Minimum Distance from edge of door (not opening) when closed, to side wall is 6 inches, where Distance is more than 26 inches 235 "SlydaSyde" Sets GG (Pages 60-61) should be used.

List Price for Complete Sets

The prices include hardware for set desired (as listed in table entitled—"Detail of Hardware and List of Parts"). together with all Wall Bolts and Screws necessary to erect. Plus Locking Bolts as follows:	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick	
	List Price	Shipping Wt., lbs.
Sets TT-1, to lock doors from inside only, including 1 No. 524-1 Cane Bottom Bolt (page 121)		
Opening up to 8' wide.....	\$33.75	83
Opening 8'1" to 9' wide.....	34.50	85
Opening 9'1" to 10' wide.....	35.25	87
Sets TT-2, to lock doors from inside only, including 1 No. 516 Door Bolt (page 122) Minimum lap of door over jamb is two inches		
Opening up to 8' wide.....	35.25	83
Opening 8'1" to 9' wide.....	36.00	85
Opening 9'1" to 10' wide.....	36.75	87
*Sets TT-3, to lock doors from inside or outside, including 1 No. 525 Door Lock (page 117)		
Opening up to 8' wide.....	36.60	84
Opening 8'1" to 9' wide.....	37.35	86
Opening 9'1" to 10' wide.....	38.10	88

Note—*When the No. 525 Door Lock is attached to the front edge of the door, it is advisable, though not necessary, to use the No. 635 Floor Guide (listed page 127), to hold the back edge of the door tight against the casing.
Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.
Direction Sheet showing erection details furnished with hardware.
If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and number of track. Width of opening. Thickness of doors. Distance between jamb and side wall. Distance door laps on jamb. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "CornR-Wise" No. 635 Two Doors Hinged Together Equipment "TT-1" for No. 31 Track, with No. 524-1 Bolts. Opening 9' wide. 12" between jamb and side wall. Doors 1 3/4" thick. Doors laps on jamb 2".

Detail of Hardware and List of Parts

Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Two Doors Hinged Together "TT", Complete Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick	
	Catalog Number	List Prices and Weights
3 Hangers, Ball Bearing.....	635-1	See Page 71
2 Pcs. Trolley Track (Two runs of trolley track: One run equals width of opening, plus distance from jamb to side wall, minus 2 feet; One run equals width of opening minus 1 1/2 feet).....	31	"
7 Brackets, Center Track (For opening over 10 feet wide add two extra center brackets for each additional foot of opening).....	635-1x31	"
2 Brackets, End.....	635-2x31	"
1 Bracket, Corner.....	635x31-CB	"
4 Bumper Shoes.....	435-72	"
1 1/2 Pr. Surface Hinges.....	635-4"	"
3 Bow Handles.....	81-1	"
1 Flush Drop Handle.....	170	"
2 Floor End Stops.....	272	"
1 Corner Guide Strip (Where floor guide is used corner guide strip may be omitted, see page 127).....	635	"
2 Guide Rollers (Where floor guide is used guide rollers may be omitted, see page 127).....	635	"
One Set of Locking Bolts (Selected from the following sets)		
1 Cane Bottom Bolt (For use with TT-1 Sets).....	524-1	See Page 121
1 Door Bolt (For use with TT-2 Sets).....	516	122
1 Door Lock (For use with TT-3 Sets).....	525	117

Two Doors Hinged Together "T" Short Sets

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

For the convenience of dealers who carry our Trolley Track, Locks and Locking Bolts in stock, we are in a position to furnish a Short Set at the following price:
One T Short Set for 31 Track, weight 44 lbs., per set.....\$26.40

Example Order—1 T Short Set, No. 635, "CornR-Wise," Two Doors Hinged Together, Equipment, for No. 31 Track.

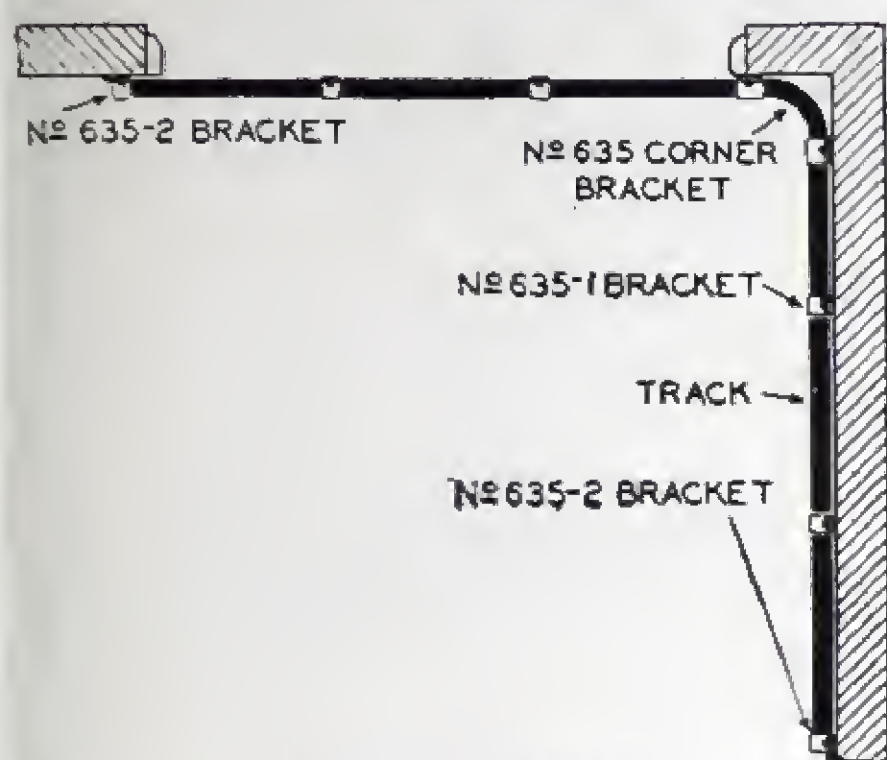
Discount.....



Patented

R-W No. 635

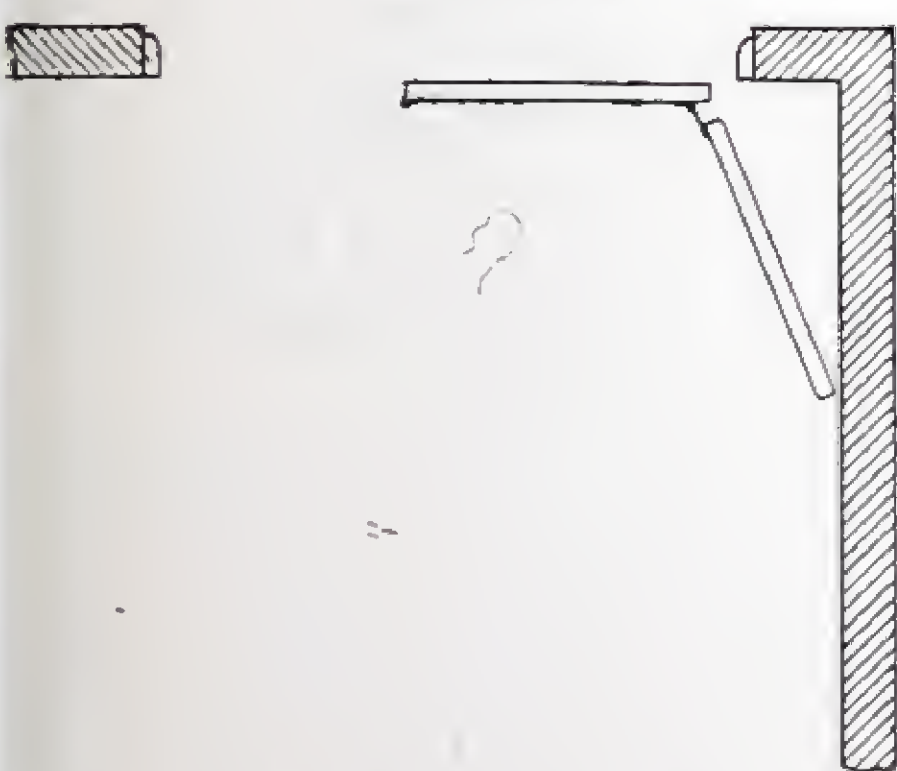
Garage Door Hardware for Two Doors Hinged Together and Sliding to One Side



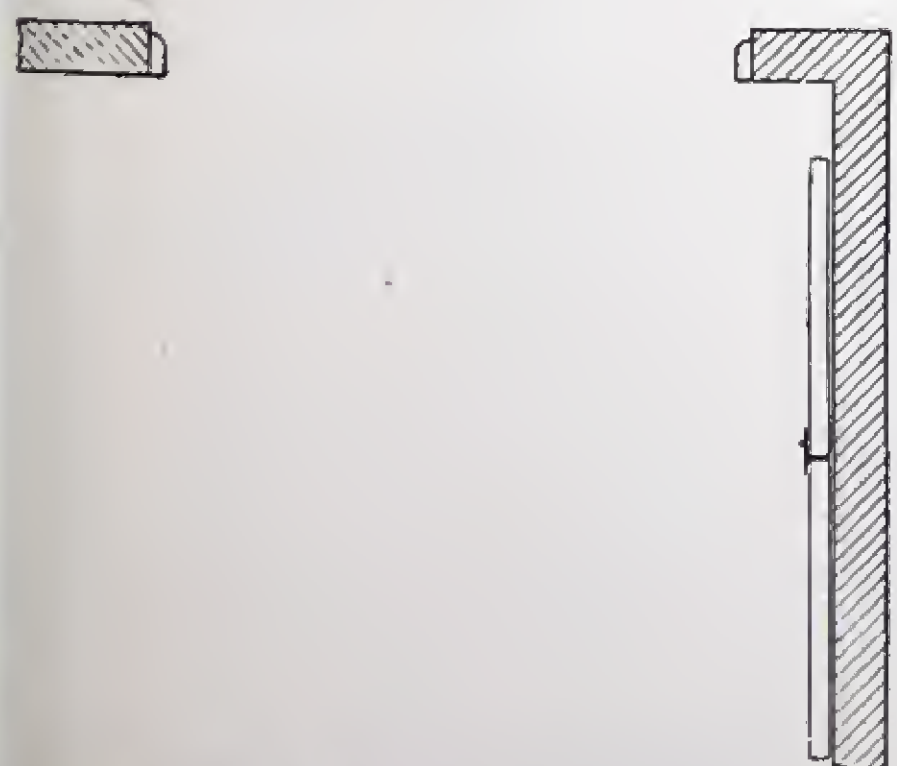
Plan of Tracks



Doors Closed



Doors Partly Open



Doors Wide Open and at Right Angles to Front Wall

Fig. A-873—Floor Plans

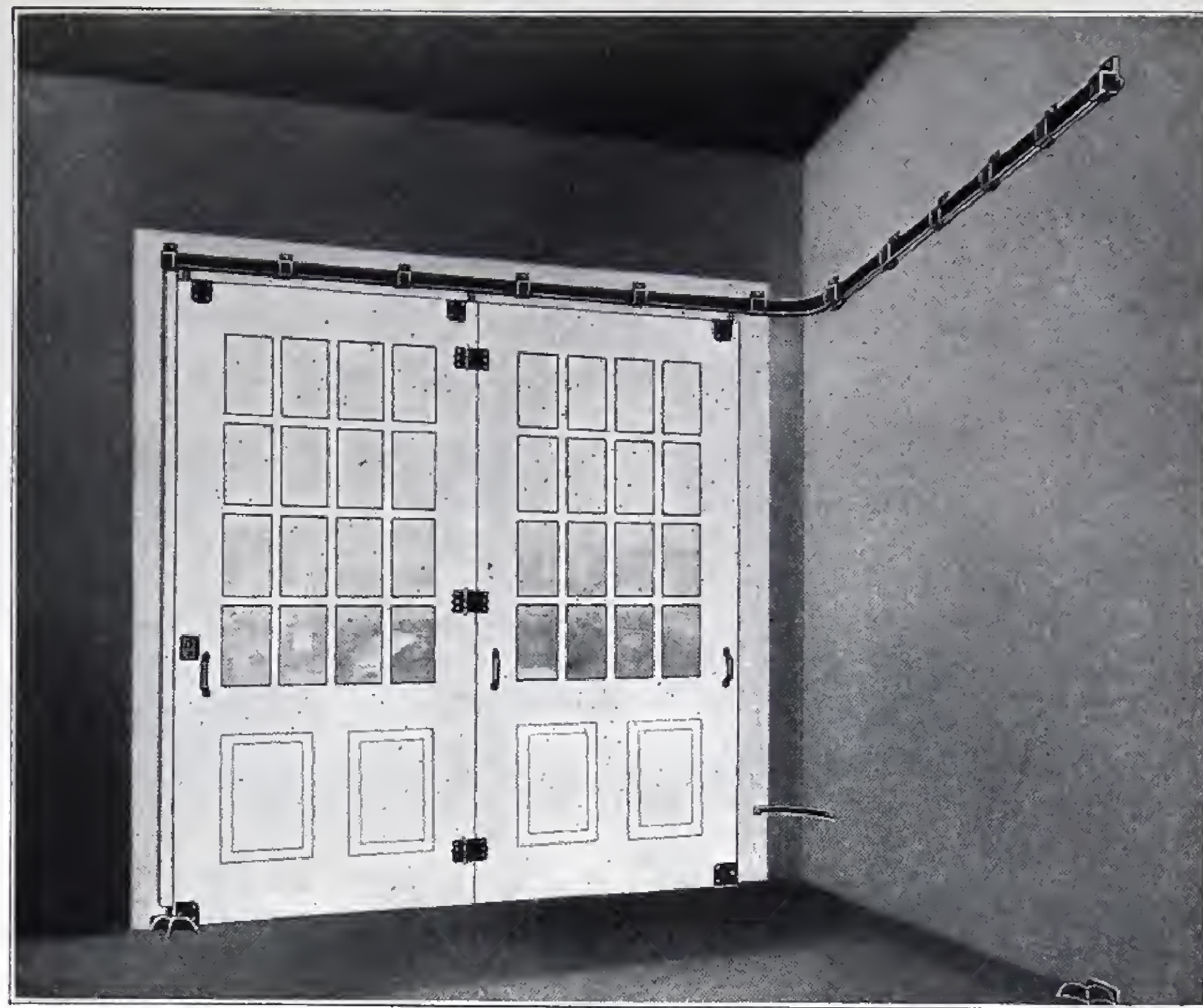


Fig. A-874—Interior View, Doors Closed.

Headroom Required

Between Top of Door and Top of Track Bracket For No. 31 Track is $7\frac{1}{8}$ inches.

Fig. A-875

Interior elevation showing proper location and names of 635 Parts for Set TT-3, including one 525 Door Lock

Fig. A-876

Interior elevation showing 635 Hardware for Set TT-2, including one 516 Door Bolt.

Fig. A-877

Interior elevation showing 635 Hardware for Set TT-1, including one 524 Cane Bottom Bolt

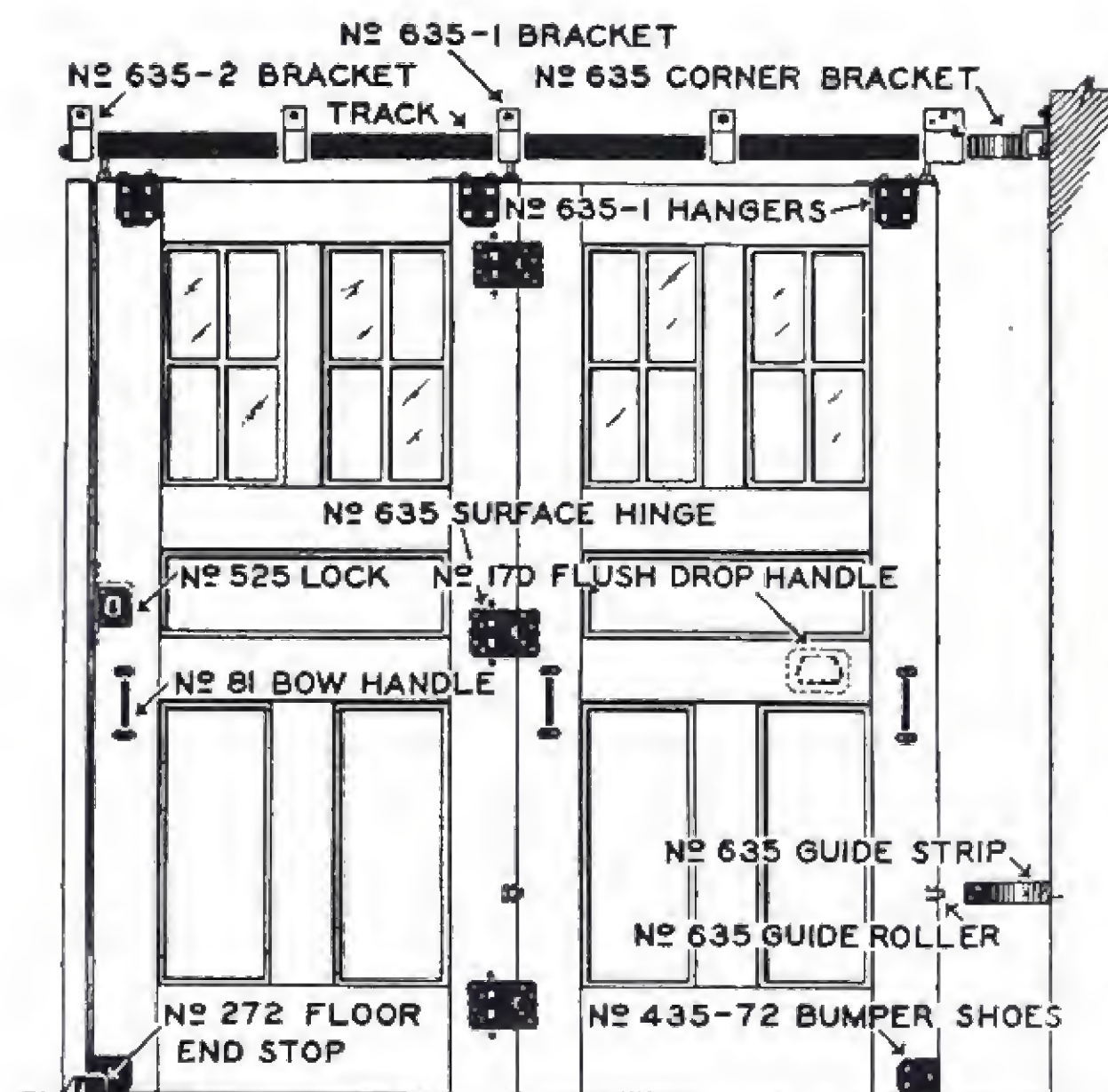


Fig. A-875—Set TT-3



Fig. A-876—Set TT-2



Fig. A-877—Set TT-1

CornR-Wise No. 635 Corner Door Hardware

Two Pairs of Doors Hinged Together, One Pair Sliding to the Right, One Pair Sliding to the Left, "U" and "UU" Sets
Minimum Distance from edge of door (not opening) when closed, to side wall is 6 inches. When distance is more than 26 inches,
235 "SlydaSyde" Sets HH (Pages 62-63) should be used.

List Price for Complete Sets

These prices include hardware for set desired (as listed in table entitled—"Detail of Hardware and List of Parts"), together with all Wall Bolts and Screws necessary to erect, Plus Locking Bolts as follows:	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick	
	List Price	Shipping Wt., lbs.
Sets UU-1, to lock doors from inside only, including 2 No. 524-1 Cane Bottom Bolts (page 121)		
Opening up to 8' wide.....	\$58.40	124
Opening 8'1" to 10' wide.....	59.90	130
Opening 10'1" to 12' wide.....	61.40	136
Opening 12'1" to 14' wide.....	62.90	142
Opening 14'1" to 16' wide.....	64.40	148
Sets UU-2, to lock doors from inside only, including 2 No. 516 Door Bolts (Page 122). Minimum lap of door over jamb is 2 inches.		
Opening up to 8' wide.....	61.40	124
Opening 8'1" to 10' wide.....	62.90	130
Opening 10'1" to 12' wide.....	64.40	136
Opening 12'1" to 14' wide.....	65.90	142
Opening 14'1" to 16' wide.....	67.40	148
*Sets UU-3, to lock doors from both inside and outside, including 1 No. 524-1 Cane Bottom Bolt (page 121) and 1 No. 525 Door Lock (page 117)		
Opening up to 8' wide.....	61.25	125
Opening 8'1" to 10' wide.....	62.75	131
Opening 10'1" to 12' wide.....	64.25	137
Opening 12'1" to 14' wide.....	65.75	143
Opening 14'1" to 16' wide.....	67.25	149
*Sets UU-4, to lock doors from both inside and outside, including 1 No. 516 Door Bolt (page 122), and 1 No. 525 Door Lock (page 117). Minimum lap of door over jamb is 2 inches		
Opening up to 8' wide.....	62.75	124
Opening 8'1" to 10' wide.....	64.25	130
Opening 10'1" to 12' wide.....	65.75	136
Opening 12'1" to 14' wide.....	67.25	142
Opening 14'1" to 16' wide.....	68.75	148
*Sets UU-5, to lock doors from both inside and outside, including 1 No. 525 Door Lock (page 117)		
Opening up to 8' wide.....	60.35	121
Opening 8'1" to 10' wide.....	61.85	127
Opening 10'1" to 12' wide.....	63.35	133
Opening 12'1" to 14' wide.....	64.85	139
Opening 14'1" to 16' wide.....	66.35	145

Note—*When the No. 525 Door Lock is attached to the front edge of the door, it is advisable, though not necessary to use the No. 635 Floor Guide (listed page 127), to hold the back edge of the door tight against the casing.

Sets include Lag Screws for attaching track brackets. If attachment is to be made to brick or concrete, expansion shields should be ordered extra.

Direction Sheet showing erecting details furnished with hardware.

If Wicket Entrance Door is wanted, see page 132 for details and prices of hardware.

Directions for Ordering Complete Sets

State—Designation of set and kind of track. Width of opening. Thickness of doors. Distance between jamb and side walls on each side. Distance doors lap on jamb. Always send sketch of floor plan with above dimensions inserted.

Example Order of Complete Sets—One Set, "CornR-Wise" No. 635 2 pairs of Doors Hinged Together Equipment UU-1 for No. 31 Track, with No. 524-1 Bolts. Opening 10' wide. Doors 2 1/4" thick. Distance between jamb and side wall, 12" on right side, 14" on left. Doors laps on jamb 2".

Detail of Hardware and List of Parts Diagrams on Next Page Show Installation Details

Quantity of Hardware Required for Two Pairs of Doors Hinged Together "UU" Complete Sets	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 300 lbs. each 1 3/4" to 2 1/4" thick	
	Catalog Number	List Prices and Weights
4 Hangers, Ball Bearing.....	635-1	Page 71
2 Hangers, Ball Bearing.....	635-3	
3 Pcs. Trolley Track (3 runs of trolley tracks; 1 run equals width of opening plus distance from jambs to side walls, minus 4 feet; 2 runs equal 1/2 width of opening minus 1 1/2 feet).....	31	"
2 Brackets, End.....	635-2x31	"
6 Brackets, Center Track (for opening over 10 feet wide add three extra Center Brackets for each additional 2 feet of opening).....	635-1x31	"
1 Bracket, Center Stop.....	635-12x31	"
2 Brackets, Corner.....	635x31-CB	"
6 Bow Handles.....	81-1	"
1 Flush Drop Handle.....	170	"
2 Floor End Stops.....	272	"
1 Center Floor Guide.....	271	"
3 Pcs. Surface Hinges.....	635-4"	"
8 Bumper Shoes.....	435-72	"
2 Corner Guide Strips (where floor guide is used, guide strips may be omitted, see page 127).....	635	"
4 Guide Rollers (where floor guide is used, guide rollers may be omitted, see page 127).....	635	"
1 Set of Locking Bolts (Selected from the following sets)		
2 Cane Bottom Bolts (For use with UU-1 Sets) or.....	524-1	See Page 121
2 Door Bolts (For use with UU-2 Sets).....	516	
1 Cane Bottom Bolt.....	524-1	121
and 1 Door Lock (For use with UU-3 Sets).....	525	117
1 Door Bolt.....	516	122
and 1 Door Lock (For use with UU-4 Sets).....	525	117
1 Door Lock (For use with UU-5 Sets).....	525	117

Two Pairs of Doors Hinged Together, "U" Short Sets

Discount.....

Packed in One Box Complete Except that Track, Locks and Locking Bolts are Omitted

For the convenience of dealers who carry our Trolley Track, Locks and Locking Bolts in stock, we are in a position to furnish a Short Set at the following price: 1 "U" Short Set for 31 Track, weight 120 lbs., per set...\$49.75

Example Order—1 "U" Short Set, No. 635 "CornR-Wise," Two pairs of Doors Hinged Together Equipment for No. 31 Track.



R-W
No.
635

For Two Pairs of Doors Hinged Together
CONTINUED

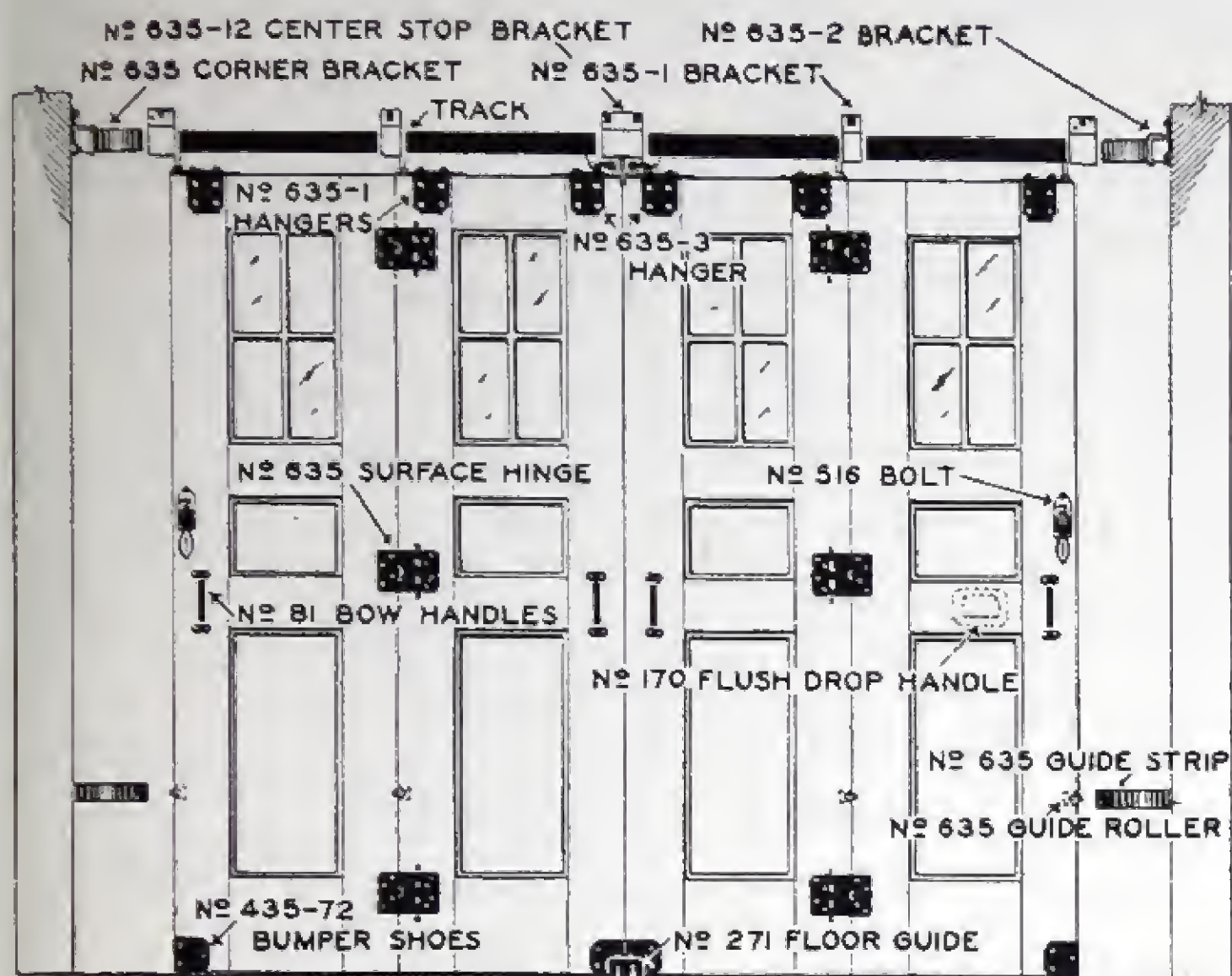
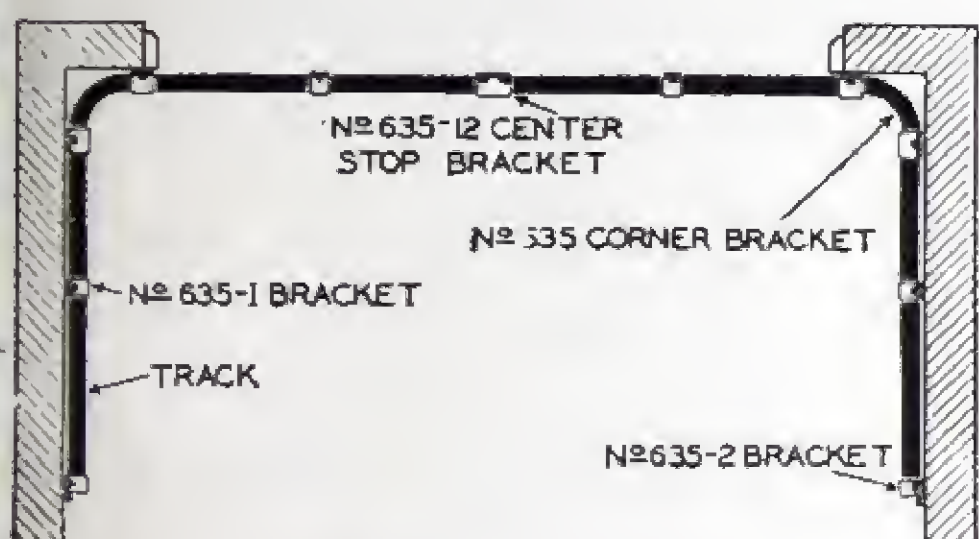


Fig. A-878—Interior elevation showing proper location and names of 635 Parts, Set UU-2, including two No. 516 Door Bolts.



Plan of Tracks



Doors Closed



Doors Partly Open



Doors Wide Open and at Right Angles to Front Wall

Fig. A-879—Floor Plans

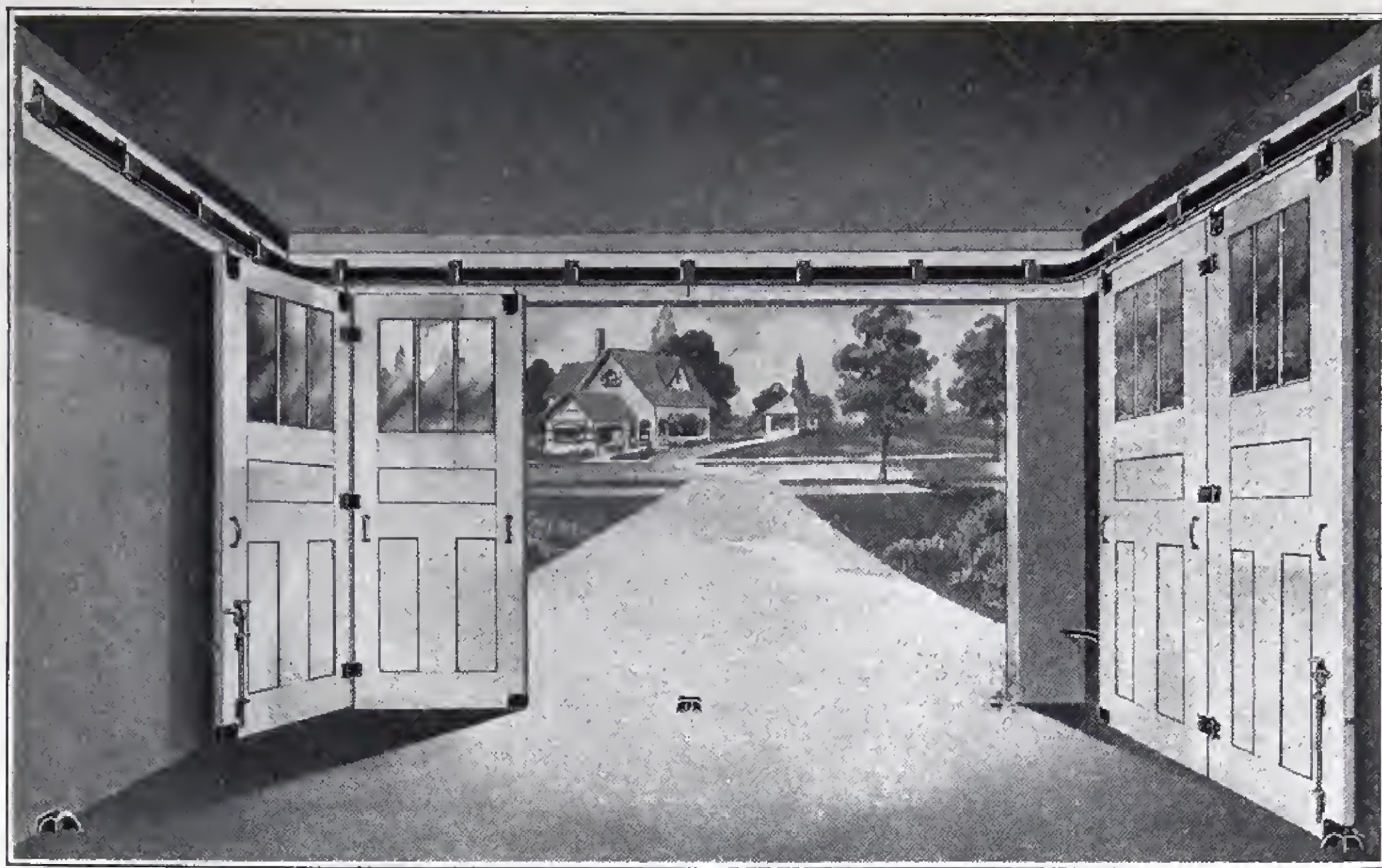


Fig. A-880—Interior View, Two-car Garage.

Headroom Required

Between Top of Door and Top of Track Bracket for No. 31 Track is $7\frac{1}{8}$ inches.

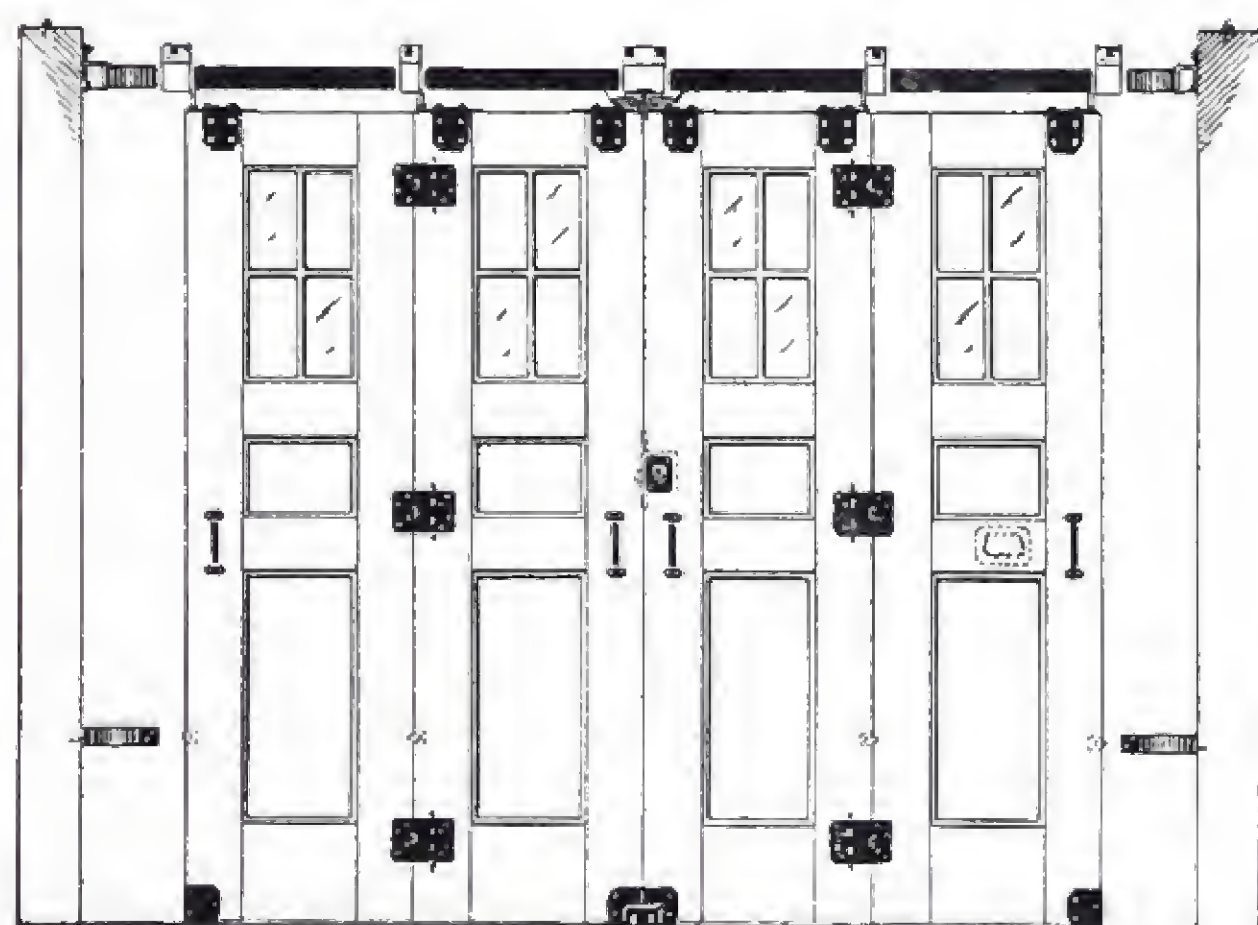


Fig. A-881—Interior elevation showing 635 Hardware Set UU-5, including one 525 Door Lock.

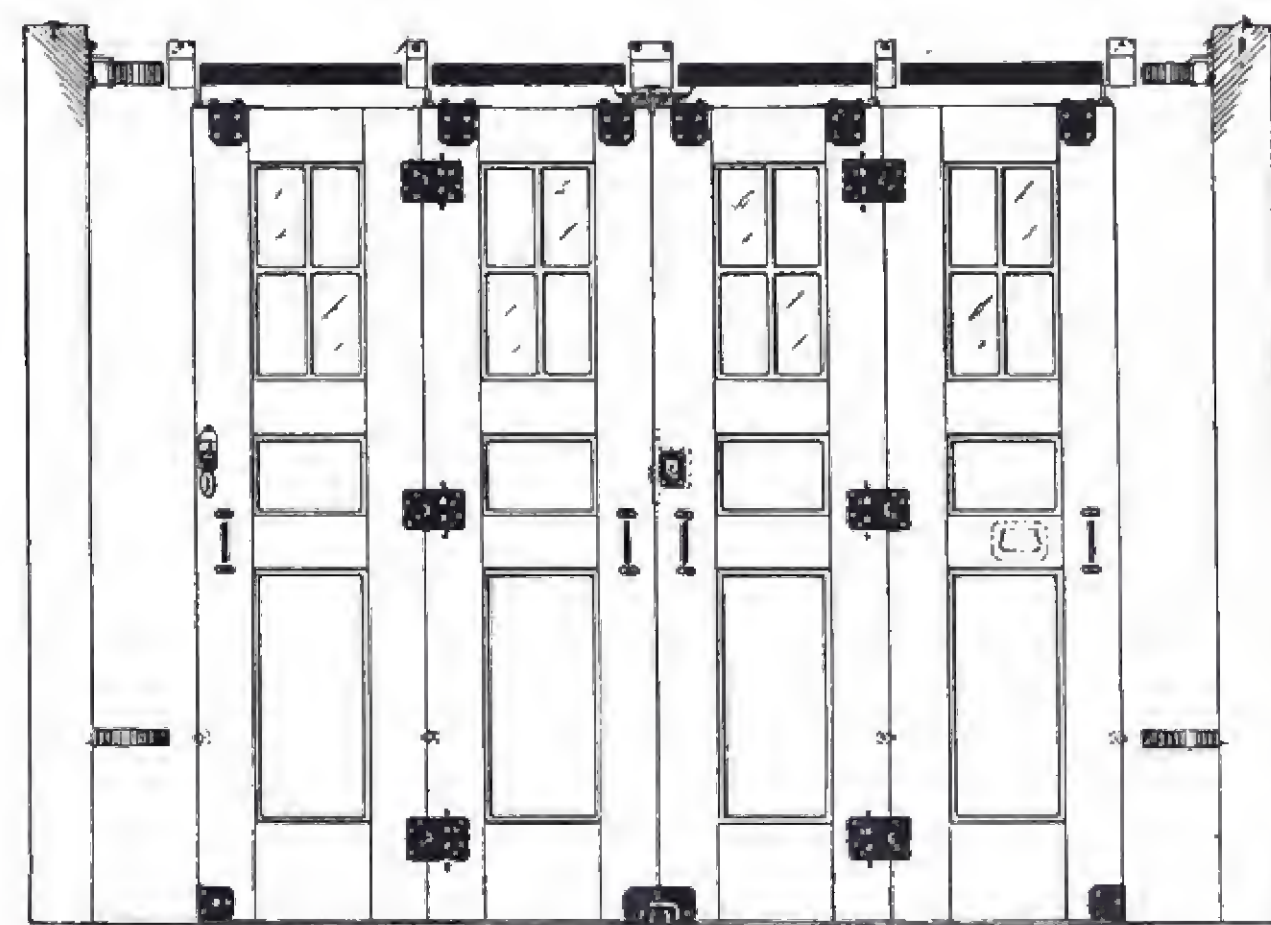


Fig. A-883—Interior elevation, showing 635 Hardware for Set UU-4, including one 516 and one 525 Door Lock.



Fig. A-882—Interior elevation showing 635 Hardware Set UU-3, including one 525 Door Lock and one 524 Cane Bottom Bolt.

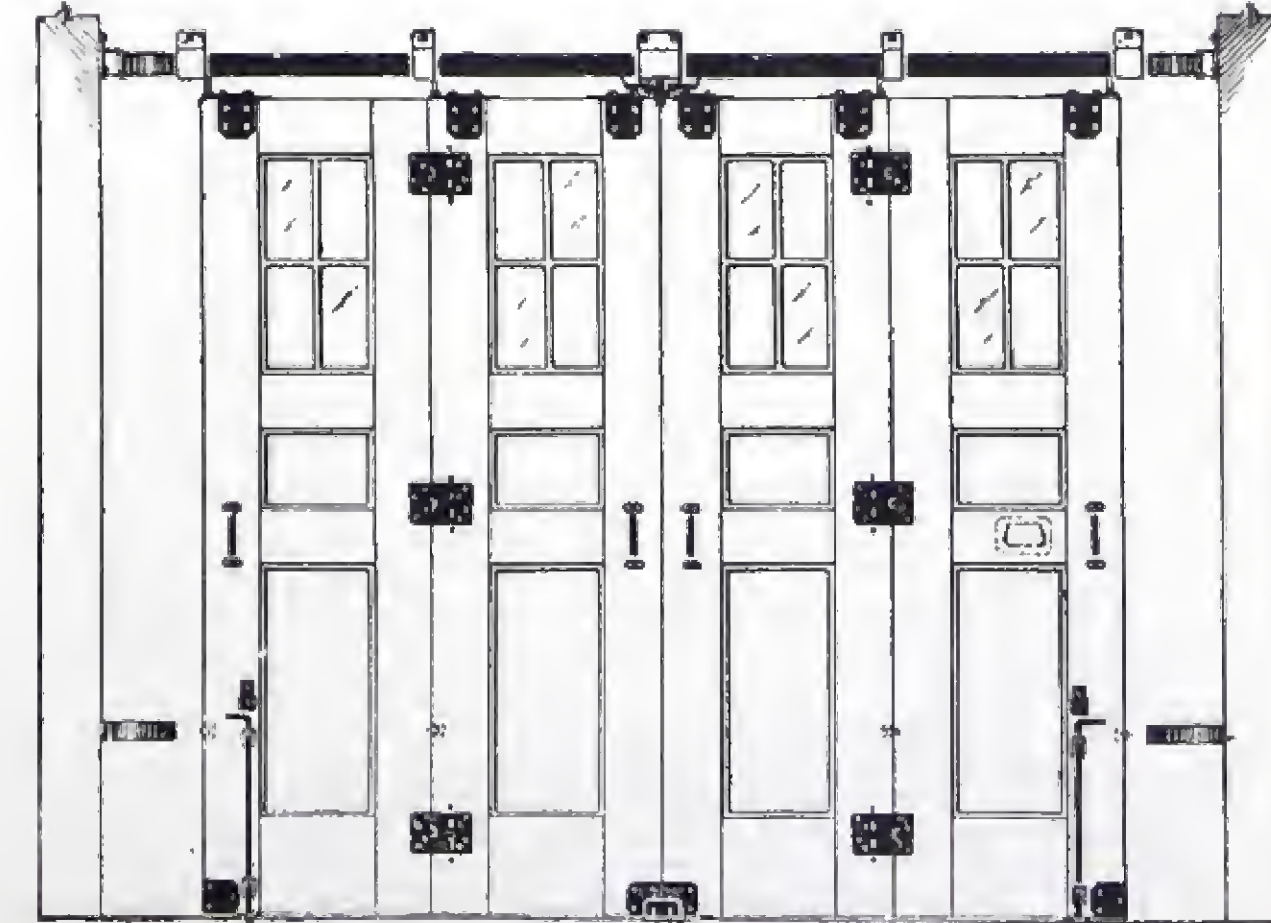


Fig. A-884—Interior elevation showing 635 Hardware for Set UU-1, including two 524 Cane Bottom Bolts.



Fig. A-888

ROUND RUNNER

Patented

R-W No. 835

Garage Door Hardware

This hardware is intended for light doors from $1\frac{3}{4}$ inches to $2\frac{1}{4}$ inches thick, and not more than 40 inches wide, that run around the corner inside the garage and stand out of the way against the side wall when the doors are open. Provides for entrance door without additional doorway. One set of fixtures is sufficient for handling a 3-door outfit as in illustrations. If larger opening is required, 6 doors may be used in one opening by installing two sets of fixtures. See opposite page for plans and elevations.

Headroom Required

Between top of door and top of hanger is $6\frac{1}{2}$ inches.

Three Door Outfit for Eight Foot Opening Packed in One Box

All hardware required to completely equip three doors, including track, packed in a strong wooden box, as follows:

- 3 No. 835 Hangers.
- 1 No. 835 Track Curve, 18-inch radius, 90 degrees.
- 8 Pcs. No. 542-B Track, each 24 inches long, with Brackets.
- 3 Pair Surface Hinges, 435- $2\frac{1}{2}$ "x4".
- 2 No. 835 Stay Rollers.
- 1 No. 272 End Floor Stop.
- 2 No. 71-2 Bow Handles.
- 1 No. 835 Door Bolt.
- 2 No. 435-72 Bumper Shoes.
- 1 No. 119 Door Holder.
- 1 Package Bolts and Screws.
- 1 635 Guide Roller.

Erecting Instructions Packed with Hardware

Set for three-door 10-foot opening contains 10 pieces of No. 835 Track, each 24 inches long, otherwise is identical with set for 8-foot opening.

A four door opening requires 1 three door set plus $1\frac{1}{2}$ pr. of butts. The fourth door is hinged to the jamb on the side of opening opposite from where the curved track is used.

List Prices for Complete Sets

	Price	Wt., Lbs.
3-Door Set, 8' Opening, per set	\$15.00	55
3-Door Set, 10' Opening, per set	16.00	60
4-Door Set, 10'8" Opening, per set	18.00	58
4-Door Set, 12'8" Opening, per set	19.00	63
6-Door Set, 16' Opening, per set	30.00	110
6-Door Set, 20' Opening, per set	32.00	112

Discount

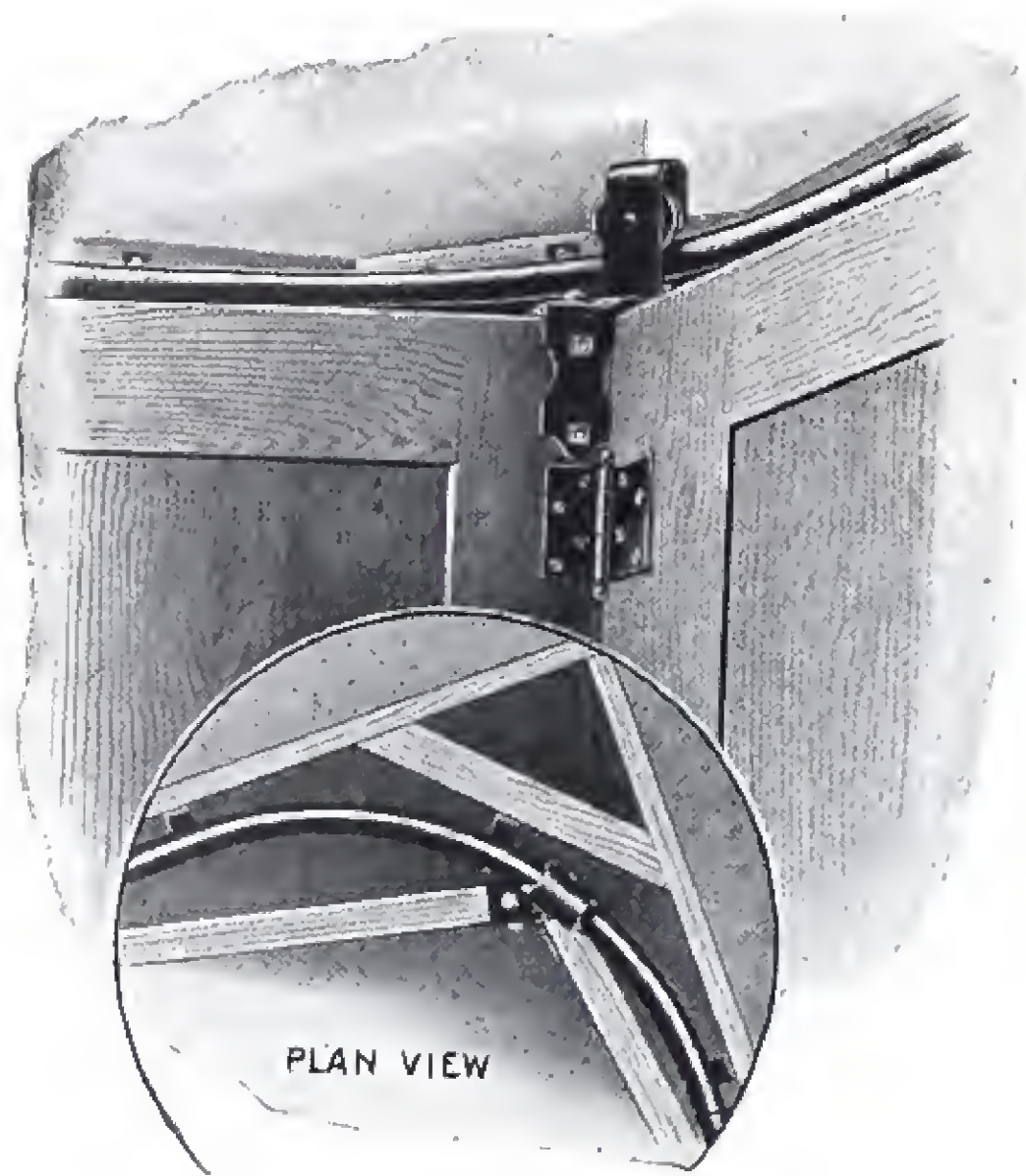


Fig. A-889

Fig. A-888—Single car garage doorway having 3-door "Round-Runner" equipment — doors in open position.

Fig. A-889—Detailed illustration of hanger, track and surface hinge.

Hardware made of steel, except hanger wheel, which is malleable iron. Hanger wheel is $2\frac{1}{2}$ inches in diameter. Apron $2\frac{1}{4}$ inches wide by 5 inches long.

Fig. A-890—Single car garage doorway having 3-door "Round-Runner" equipment — entrance door open.

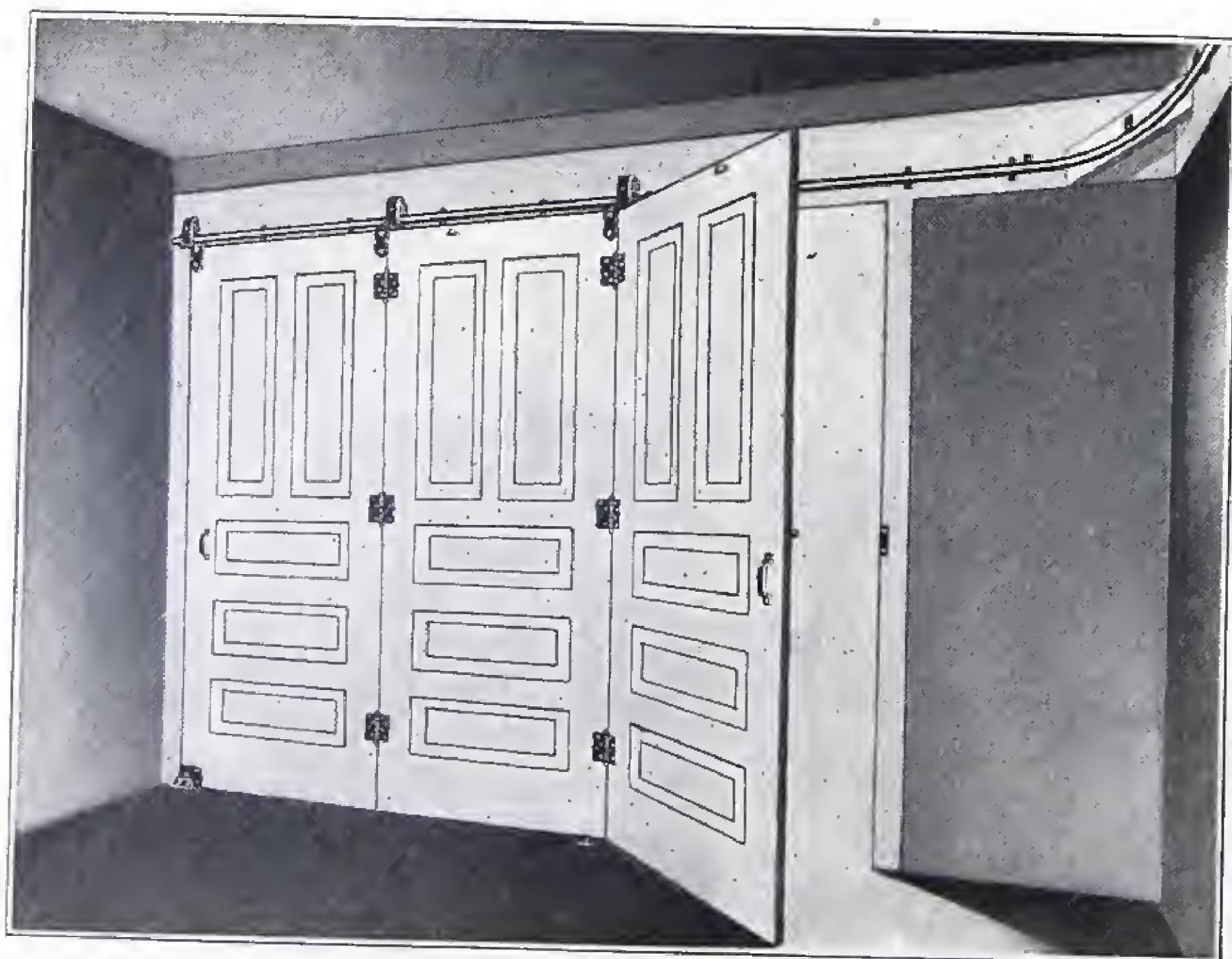


Fig. A-890

Three-Door Set

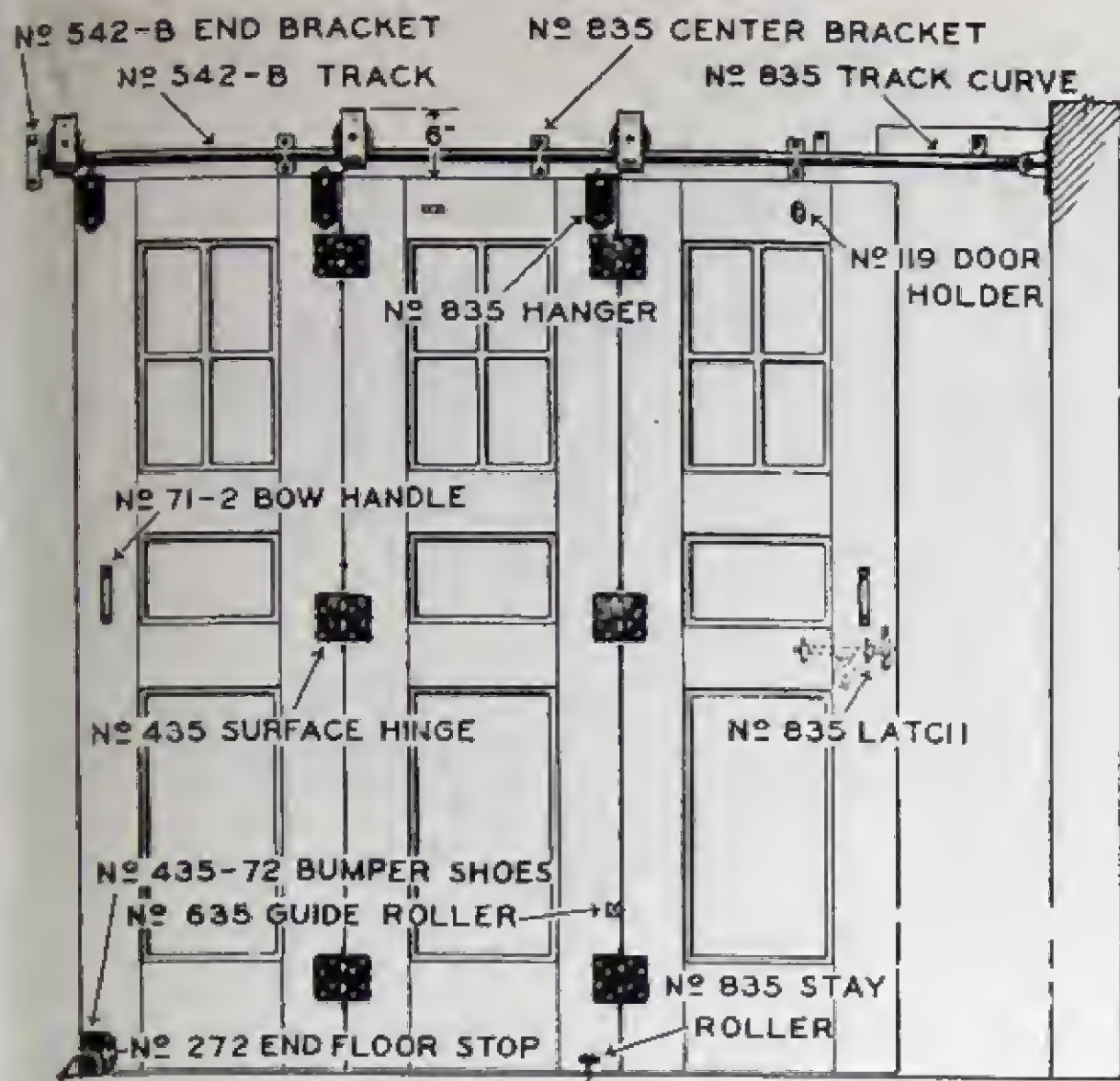
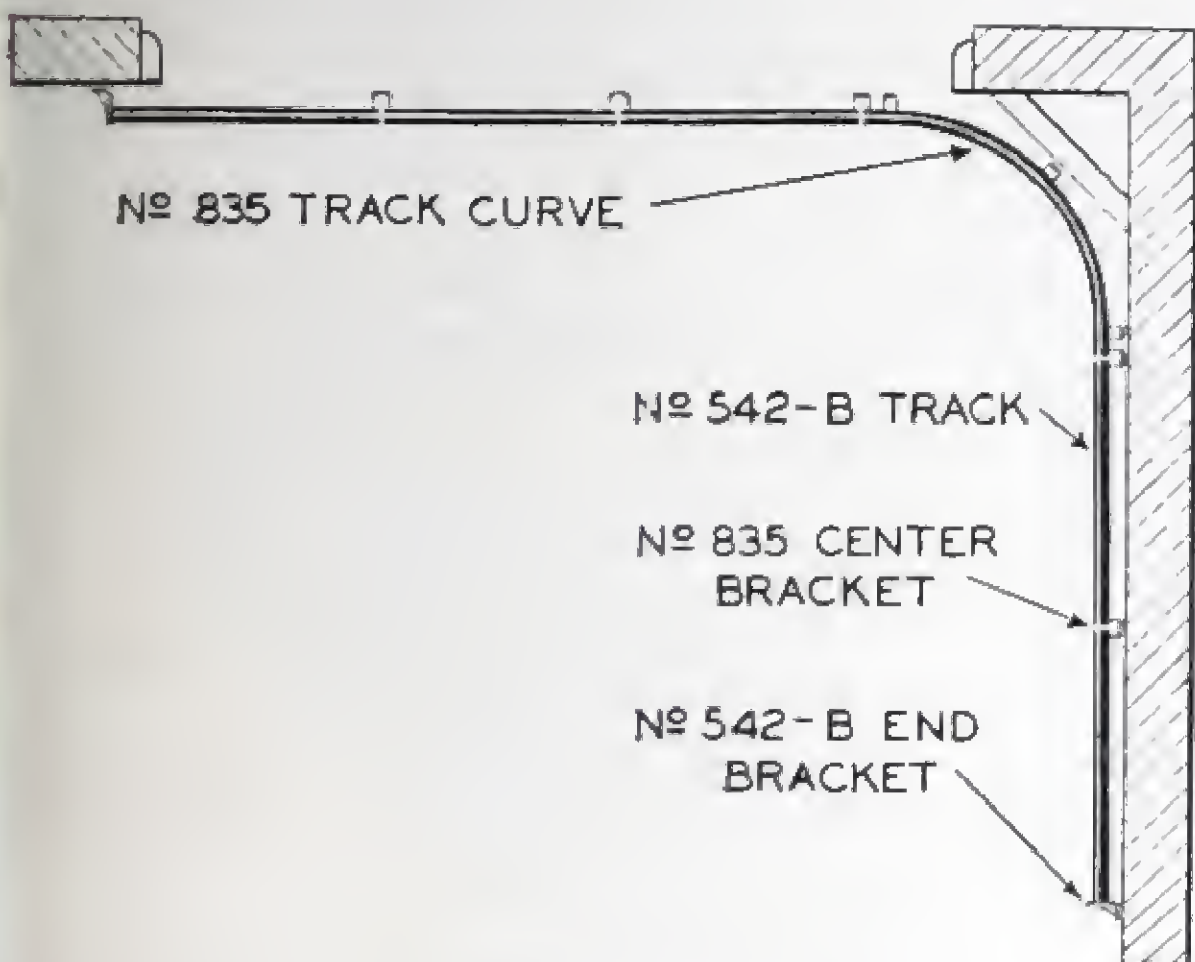
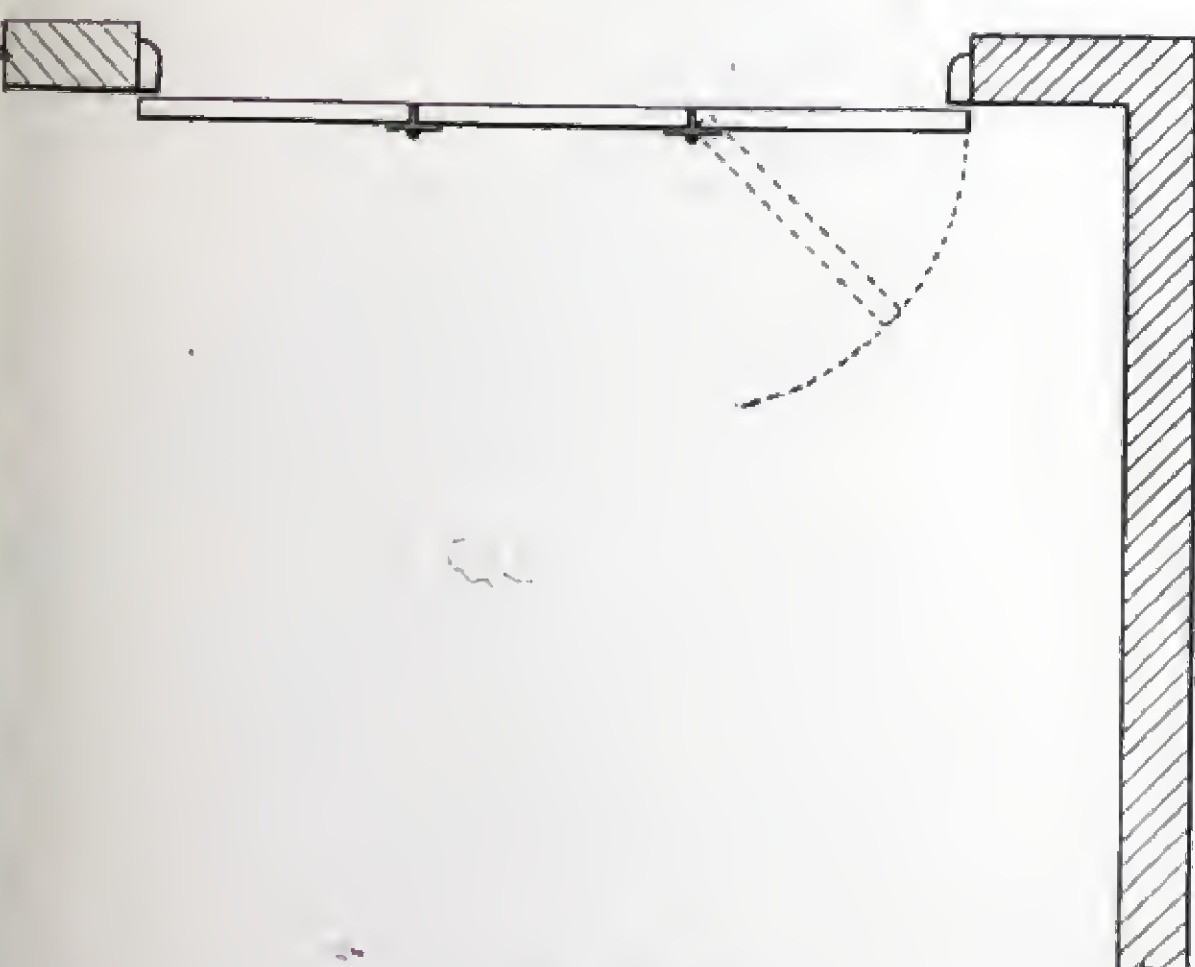


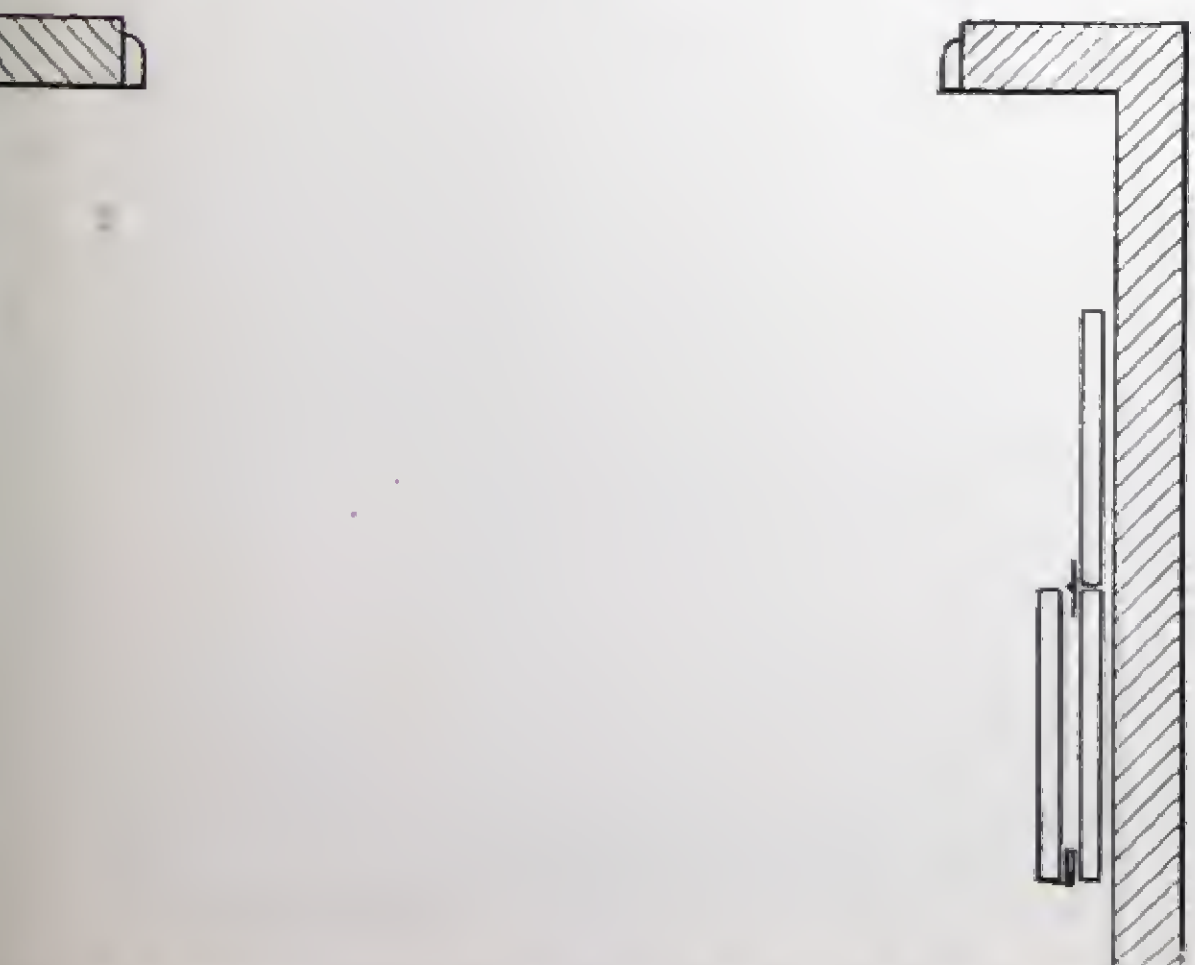
Fig. A-891—Interior elevation showing proper location and names of 835 Parts, including one No. 835 Door Latch.



Plan of Tracks



Doors Closed



Doors Wide Open and at Right Angles to Front Wall

Fig. A-892—Floor Plans For 3-Door Sets

Round Runner

R-W
No. 835

Garage
Door
Hardware.
CONTINUED

Six-Door Set

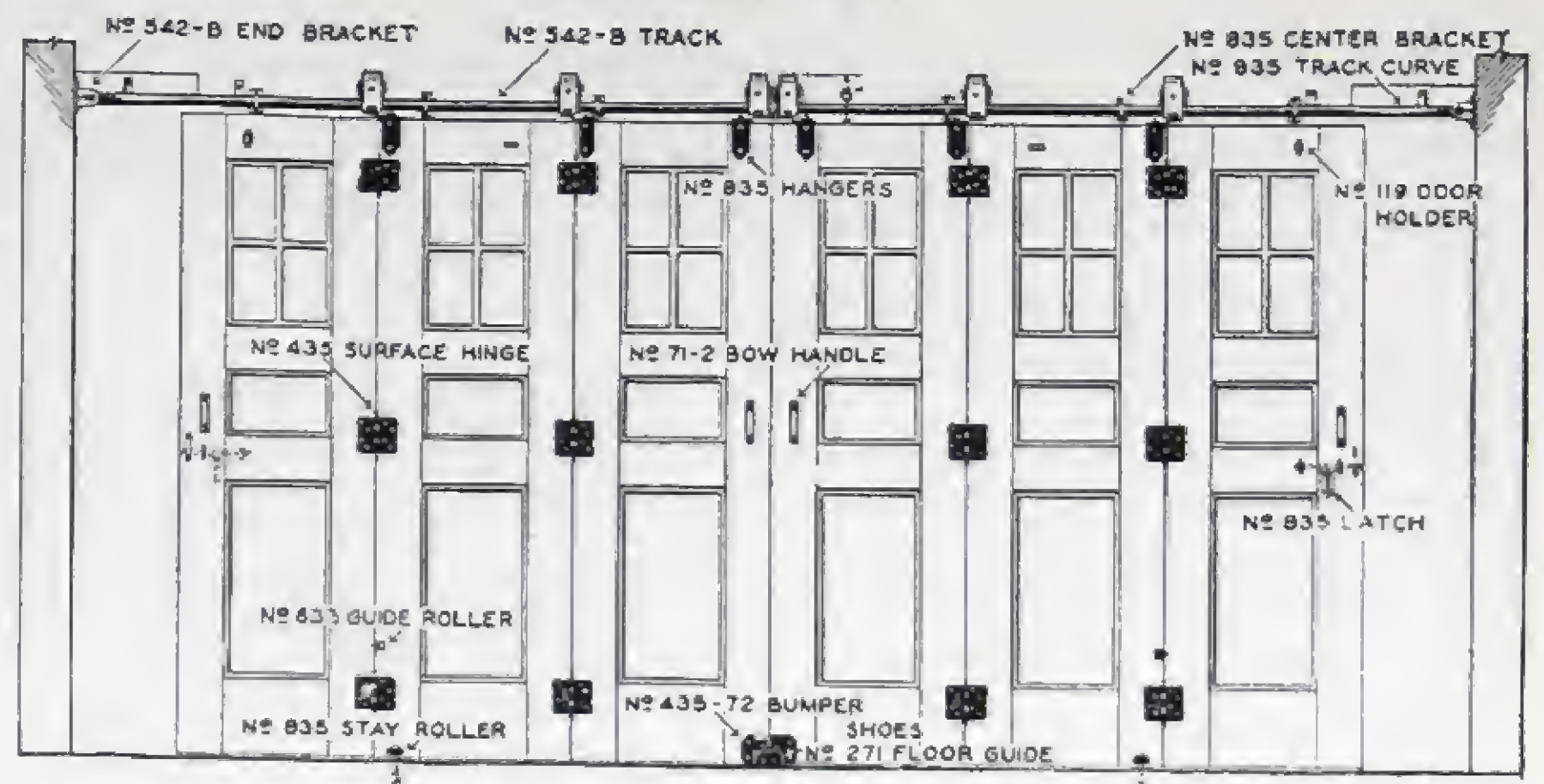
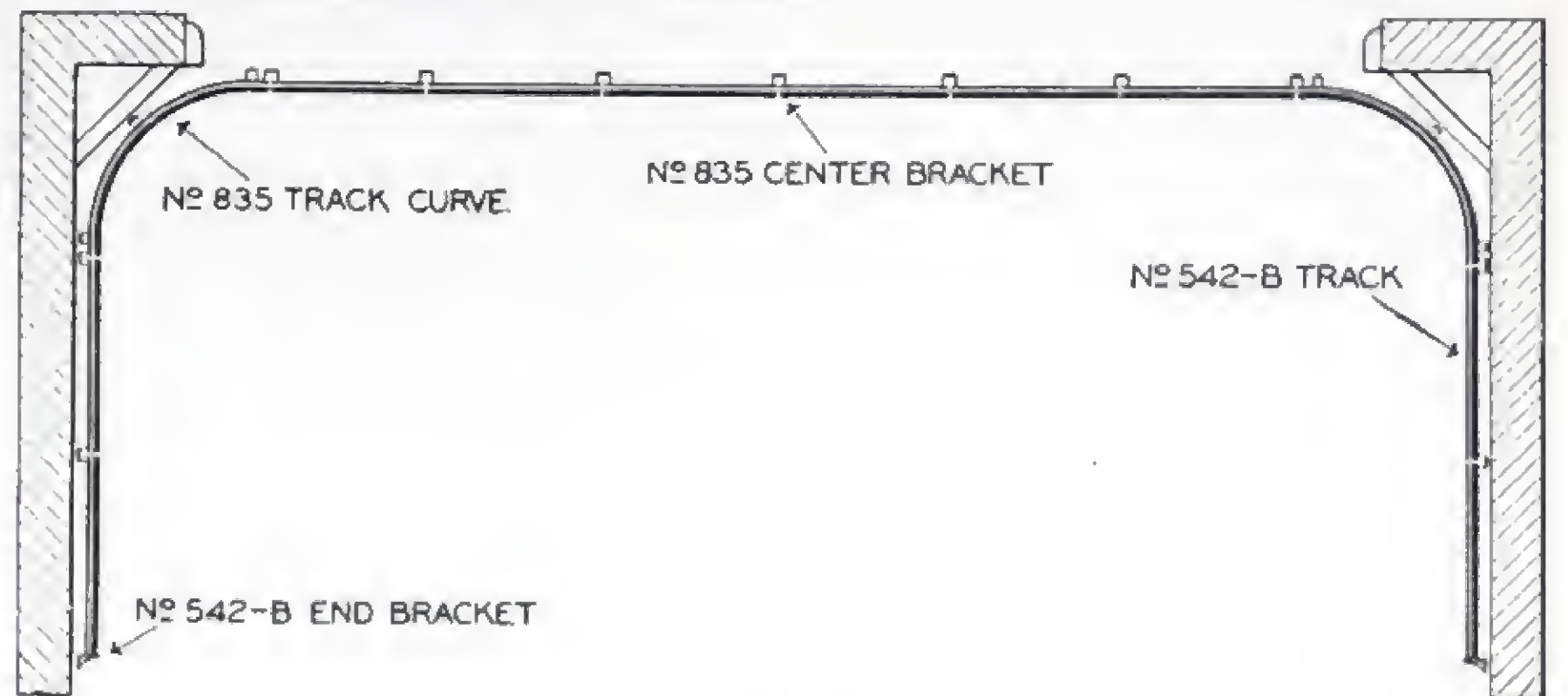
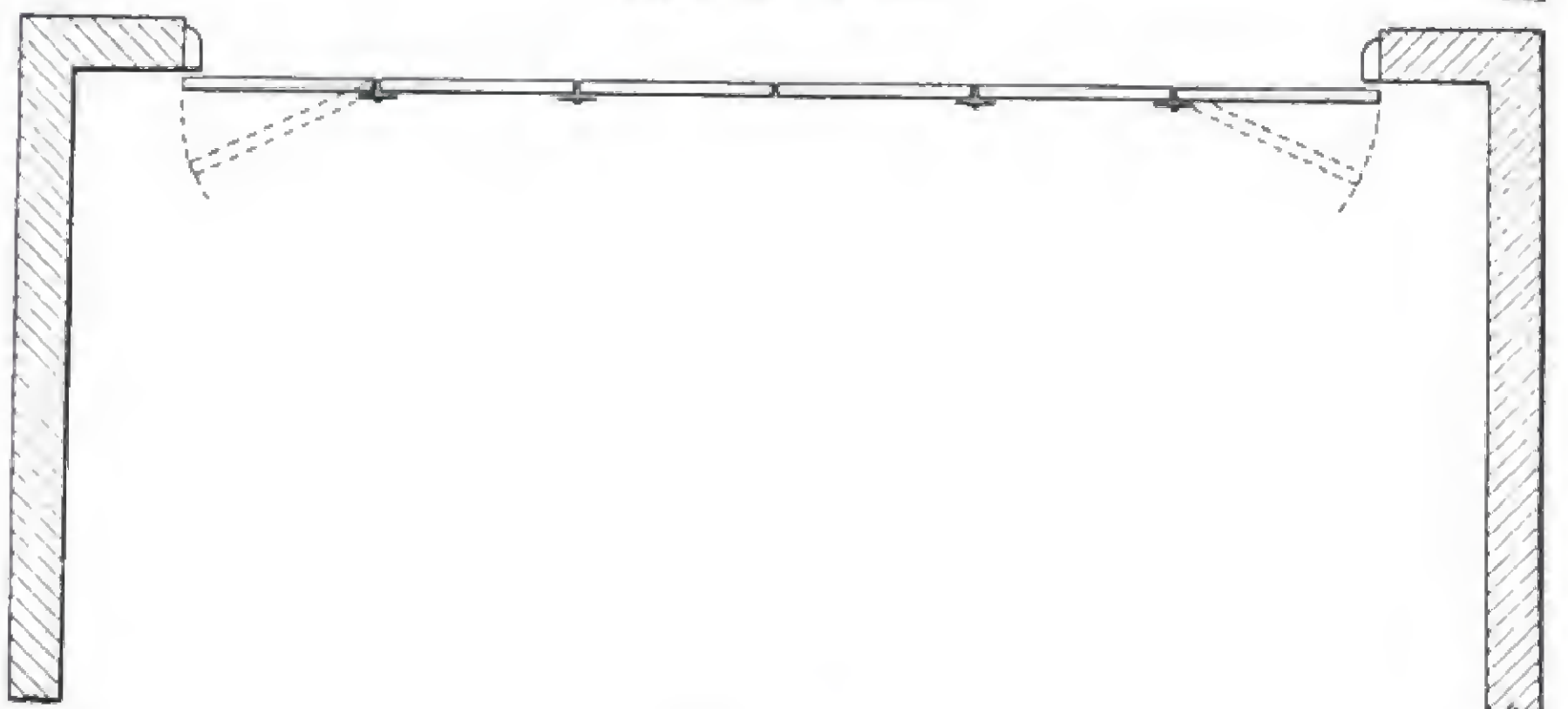


Fig. A-893—Interior elevation showing proper location and names of 835 Parts, including two No. 835 Latches.



Plan of Tracks



Doors Closed



Doors Partly Open



Doors Wide Open and at Right Angles to Front Wall

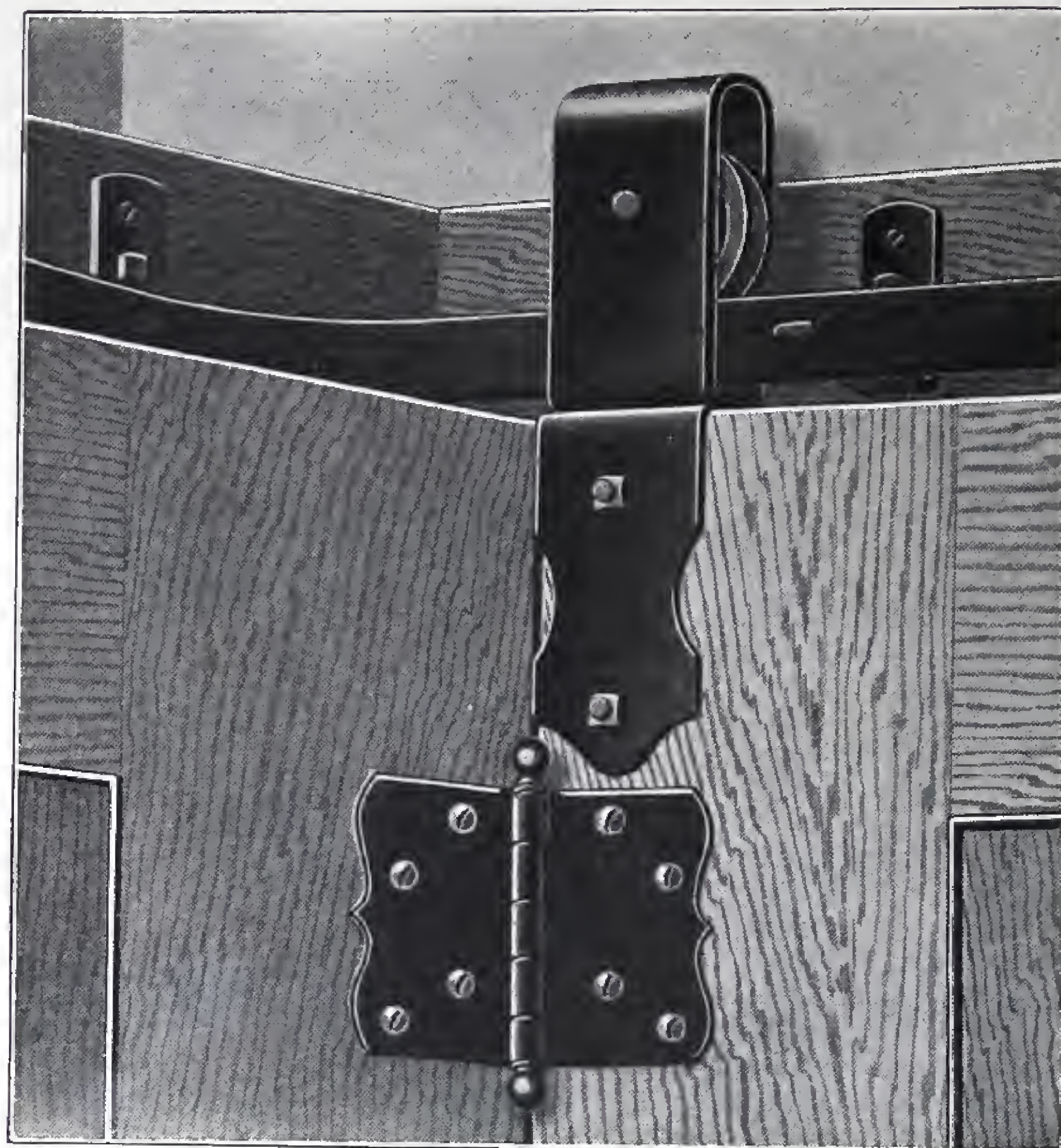
Fig. A-894—Floor Plans For 6-Door Sets

See
Opposite
Page

R-W No. 735

Swivel Flat Track Garage Door Hardware

See Previous Page for
Three-Door Floor
Plans



See Previous Page for
Six-Door Floor
Plans

Fig. A-901—Roller-Bearing Swivel Hanger
For Use On Three Doors Hinged Together

This hardware is intended for light doors from $1\frac{3}{4}$ inches to $2\frac{1}{4}$ inches thick, and not more than 40 inches wide, that run around the corner inside the garage and stand out of the way against the side wall when the doors are open. Provides for entrance door without additional doorway. One set of fixtures is sufficient for handling a 3-door outfit. If larger opening is required, 6 doors may be used in one opening by installing two sets of fixtures.

Hanger apron adjustable for doors $1\frac{3}{4}$ " to $2\frac{1}{4}$ " in thickness. Hanger used with No. 50 track. Hanger cannot jump the track. Hanger aprons $2\frac{1}{4}$ " wide by 5" long.

Headroom required between top of door and top of hanger is $5\frac{3}{4}$ inches.

List Price for Complete Sets

Hardware for 3-door, 8-foot opening, per set	\$7.50
Weight, per set	34½ pounds
Hardware for 3-door, 10-foot opening, per set	\$8.00
Weight, per set	36½ pounds

Discount.....

Note—For five- or six-door entrance, use two three-door sets. For four-door entrance, use one three-door set, and $1\frac{1}{2}$ pair Butt Hinges, extra.

3-Door Outfit for Eight-Foot Opening

All hardware required to completely equip three doors, including track:

- 3 No. 735 Hangers.
- 3 Pcs. No. 50 Track, one 8-foot and two 4-foot lengths, with Brackets.
- 2 Pr. Surface Hinges, 435- $2\frac{1}{2}$ "x4".
- 2 No. 835 Stay Rollers.
- 2 No. 71-1 Bow Handles.
- 1 No. 735 6" Hinged Hasp.
- 1 No. 635 Guide Roller.
- 1 Pkg. Bolts and Screws.

Set for three-door 10-foot opening contains 3 pieces of No. 735 Track, 1 10-foot and 2 5-foot lengths, otherwise is identical with set for 8-foot opening.

Short Set

Hangers and Carriage Bolts Only

Packed three hangers with carriage bolts in a box. Finish, black enamel. Per set, \$3.50.

Discount.....

GARAGES WITH STRAIGHT SLIDING and PARALLEL SLIDING DOORS



Straight Sliding Door Hardware

CONTINUED

For Single and Double Sliding Doors on One Track. To be Installed Inside or Outside the Building. For Doors Weighing Up to 1,000 Pounds. Made in Four Sizes of Track

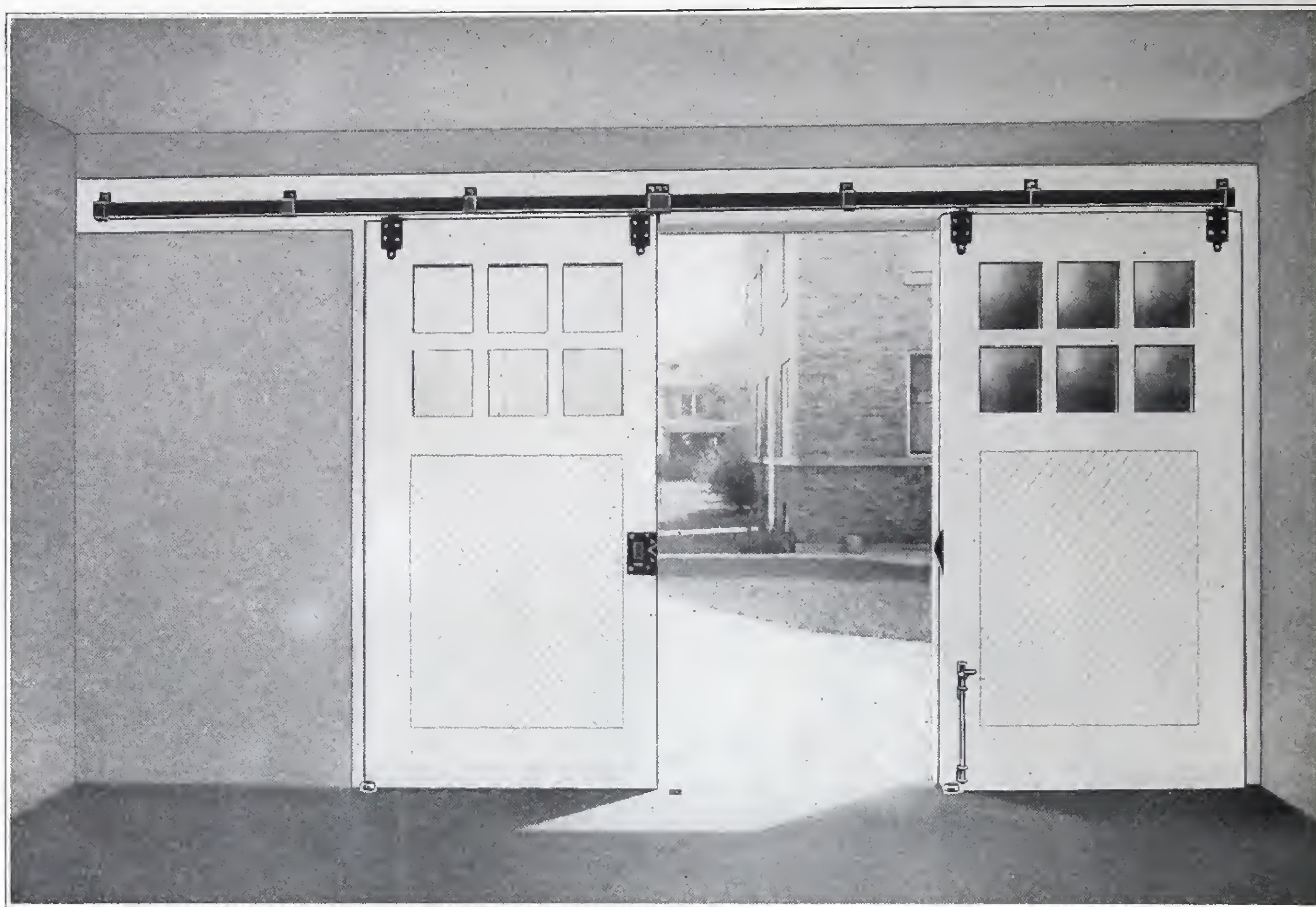


Fig. A-903. Interior View One Door Open, One Door Closed

From the suggested hardware sets and list price following, hardware equipment for straight sliding doors to suit a wide variety of doorway conditions, for inside or outside installation, can be easily selected.



Nos. 150, 150 1/2 B



Nos. 25, 28V, 29V, 121



No. 27 1/2 B



Nos. 20-2, 20 1/2 B

R-W

Straight Sliding Door Hardware



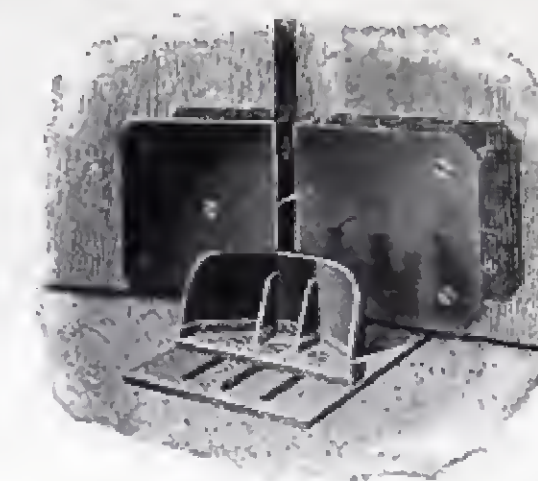
Floor End Guide No. 272, and Bumper Shoes No. 435-72



Parallel Ear Ceiling Right or Left End Bracket No. 8x31 No. 8x32 No. 8x232 No. 8x33



Side Center Stop Bracket No. 12x31 No. 12x32 No. 12x232 No. 12x33



Center Floor Guide No. 271, and Bumper Shoes No. 435-72



Locked Parallel Door Bolt and Lock No. 516



Unlocked



Parallel Ear Ceiling Center Bracket No. 7x31 No. 7x32 No. 7x232 No. 7x33



Side Center Bracket No. 1x31 No. 1x32 No. 1x232 No. 1x33



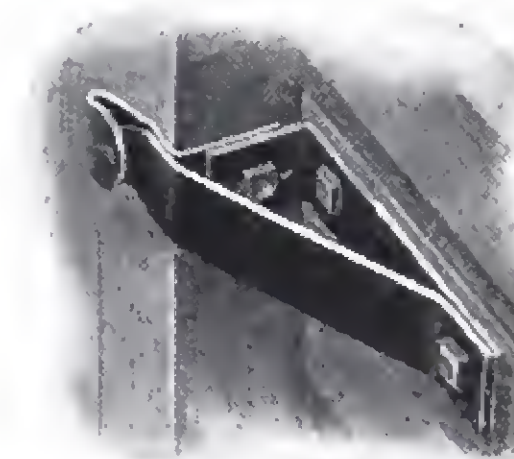
Stay Roller No. 54



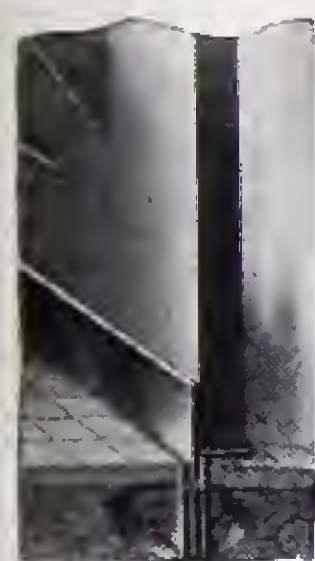
Side Right or Left End Bracket No. 2x31 No. 2x32 No. 2x232 No. 2x33



Straight Track Nos. 31, 32, 232, 33



Adjustable Door Binder No. 89



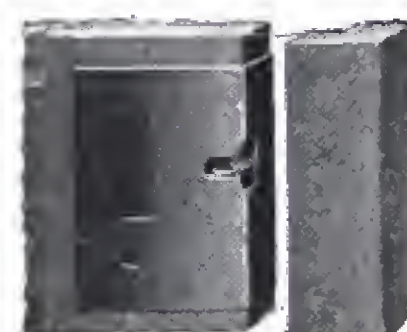
Nos. 736 and 737 Door Guide and Weather-strip



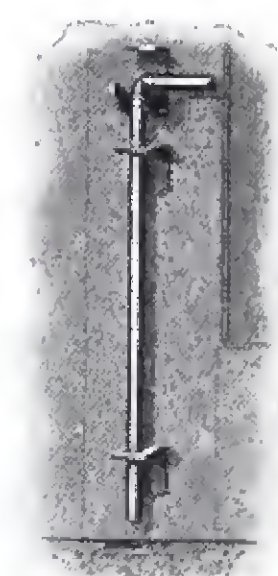
Parallel Door Bolt No. 616



No. 71 Bow Handle with No. 70 Flush Pull



Sliding Door Lock No. 510



Cane Bottom Bolt No. 524



Sliding Door Lock No. 525

Detail of Hardware and List Price of Parts

DESCRIPTION	Light Weight Hdw. using No. 31 Track For Doors Weighing up to 400 lbs. each			Medium Weight Hdw. using No. 32 Track For Doors Weighing Be- tween 400-500 lbs. each			Medium Weight Hdw. using No. 232 Track For Doors Weighing Be- tween 500-800 lbs. each			Heavy Weight Hdw. using No. 33 Track For Doors Weighing Be- tween 800-1000 lbs. each		
	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.	Catalog Number	List Price	Shipping Wt., lbs.
Hangers, For Prices and Shipping Weights, see following page												
Trolley Track (page 110), per foot.....	31	\$.30	1 $\frac{1}{2}$	32	\$.45	2 $\frac{1}{2}$	232	\$.55	2 $\frac{3}{4}$	33	\$.70	4
Brackets, Center Track (page 107), each.....	1x31	.30	1	1x32	.45	1 $\frac{1}{2}$	1x232	.55	2	1x33	.75	2 $\frac{1}{2}$
Brackets, Parallel Ear Ceiling Center (page 107), each.....	7x31	.30	1	7x32	.45	1 $\frac{1}{2}$	7x232	.55	2 $\frac{1}{2}$	7x33	.75	3 $\frac{3}{4}$
Brackets, End Track (page 107), each.....	2x31	.30	1	2x32	.45	1 $\frac{1}{2}$	2x232	.55	2	2x33	.75	2 $\frac{1}{2}$
Brackets, Parallel Ear Ceiling, Right or Left End (page 107), each.....	8x31	.30	1 $\frac{1}{2}$	8x32	.45	1 $\frac{1}{2}$	8x232	.55	2 $\frac{1}{2}$	8x33	.75	3
Brackets, Center Stop, for double doors only (page 107), each.....	12x31	.85	2 $\frac{1}{4}$	12x32	1.15	3 $\frac{1}{2}$	12x232	1.35	4 $\frac{1}{4}$	12x33	1.65	5 $\frac{3}{4}$
Stay Rollers (page 124), each.....	54	.40	2	54	.40	2	154	1.70	5	154	1.70	5
Adjustable Door Binders (page 131), each.....	89	.45	1 $\frac{3}{4}$	89	.45	1 $\frac{3}{4}$	89	.45	1 $\frac{3}{4}$	89	.45	1 $\frac{3}{4}$
Floor End Door Guides (page 126), each.....	272	.85	2 $\frac{1}{2}$	272	.85	2	272	.85	2	272	.60	2
Floor Center Door Guides (page 126), each.....	271	.96	3	271	.96	3	271	.96	3	271	.96	3
Bumper Shoes (page 126), each.....	435-72	.14	$\frac{1}{4}$	435-72	.14	$\frac{1}{4}$	435-72	.14	$\frac{1}{4}$	435-72	.14	$\frac{1}{4}$
Flush Pulls (page 125), each.....	*70-1	.35	1	*70-1	.35	1	*70-1	.35	1	*70-1	.35	1
Bow Handles (page 125), each.....	*71-1	.15	$\frac{1}{3}$	*71-1	.15	$\frac{1}{3}$	*71-1	.15	$\frac{1}{3}$	*71-1	.15	$\frac{1}{3}$
Door Locks (page 117), each.....	525	3.15	3 $\frac{3}{4}$	525	3.15	3 $\frac{3}{4}$	525	3.15	3 $\frac{3}{4}$	525	3.15	3 $\frac{3}{4}$
Door Locks (page 117), each.....	510	3.60	6 $\frac{1}{4}$	510	3.60	6 $\frac{1}{4}$	510	3.60	6 $\frac{1}{4}$	510	3.60	6 $\frac{1}{4}$
Cane Bottom Door Bolts (page 121), each.....	524-1	.90	3	524-1	.90	3	524-2	1.20	4 $\frac{1}{2}$	524-2	1.20	4 $\frac{1}{2}$
Door Bolts (page 122), each.....	516	2.50	3 $\frac{1}{2}$	516	2.50	3 $\frac{1}{2}$	516	2.50	3 $\frac{1}{2}$	516	2.50	3 $\frac{1}{2}$
Door Bolts (page 122), each.....	616	2.85	3	616	2.85	3	616	2.85	3	616	2.85	3
Floor Door Guide and Weather Strip (page 127), complete per foot.....	737	1.00	6	737	1.00	6	737	1.00	6	737	1.00	6
Floor Door Guide and Weather Strip (page 127), complete, per foot.....	736	1.65	12	736	1.65	12	736	1.65	12	736	1.65	12

*Note—When the No. 2 size is used, add 5c to the price of each.

Discount

R-W Straight Sliding Garage Door Hardware for Single and Double Sliding Doors on One Track

To be installed inside or outside the building

For Doors weighing up to 1,000 pounds. Made in four sizes of track

From the suggested hardware sets and list prices following, hardware sets for straight sliding doors to suit a wide variety of doorway conditions, for inside or outside installation, can be easily selected.

List of Hardware for Single or Double Sliding Doors Weighing Up to 1,000 Pounds

Hardware Required for Single Door Opening	Hardware Required for Double Door Opening	DESCRIPTION	For No. 31 Track		For No. 32 Track		For No. 232 Track		For No. 33 Track	
			Installation		Installation		Installation		Installation	
			Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
1 Pair () Feet	2 Pair () Feet	Hangers to be selected from table below. Trolley Track. Amount required equals twice width of opening (page 110).....	*	*	*	*	*	*	*	*
†	†	†Brackets, Center Wall (page 107).....	31 1x31	31 1x31	32 1x32	32 1x32	232 1x232	232 1x232	33 1x33	33 1x33
†	†	†Brackets, Parallel Ear Ceiling Center (page 107).....	7x31	7x31	7x32	7x32	7x232	7x232	7x33	7x33
2	2	†Brackets, End Wall (page 107).....	2x31	2x31	2x32	2x32	2x232	2x232	2x33	2x33
2	2	†Brackets, Parallel Ear Ceiling, Right or Left End (page 107).....	8x31	8x31	8x32	8x32	8x232	8x232	8x33	8x33
1	1	Bracket, Center Stop, for double doors only (page 107).....	12x31	12x31	12x32	12x32	12x232	12x232	12x33	12x33
1	2	Stay Rollers (page 124).....	54	54	54	54	154	154	154	154
1	2	Adjustable Door Binders (page 131).....		89		89		89		89
2	2	Floor End Door Guides (page 126).....	272		272		272		272	
1	1	Floor Center Door Guide (page 126).....	271	271	271	271	271	271	271	271
††	††	Bumper Shoes, used with Nos. 271 and 272, to protect corner of doors (page 126).....	435-72	435-72	435-72	435-72	435-72	435-72	435-72	435-72
1	2	Flush Pulls (page 125).....	†70-1	†70-1	†70-1	†70-1	†70-1	†70-1	†70-1	†70-1
1	2	Bow Handles (page 125).....	†71-1	†71-1	†71-1	†71-1	†71-1	†71-1	†71-1	†71-1
1	1	Door Lock (page 117) To lock from inside or outside.....	525 or 510	525 or 510	525 or 510	525 or 510	525 or 510	525 or 510	525 or 510	525 or 510
1	2	**Door Bolts (page 121) to lock from inside only.....	524-1 or 516		524-1 or 516		524-2 or 516		524-2 or 516	
() Feet	() Feet	§Floor Door Guide and Weather Strip (page 127). Amount required equals twice width of opening.....	737	737	737	737	737	737	737	737

Notes—*Choose your hangers according to weight and thickness of doors and size of track to be used. Specify if roller bearing or ball bearing is wanted. See tables below. **Nor required when Door Lock are used. §When Floor Door Guide and Weather Strip are used Stay Rollers, Adjustable Door Binders, Door Guides and Bumper Shoes are not necessary. †Center Brackets should be spaced on 2' centers. Wall Brackets not used on ceiling installations, and vice versa. ††For Doors more than 2' thick use number 2 size. †††Not required for outside installations. ††††Four required for outside installations.

List Price and Specifications of Ball-Bearing Door Hangers

Hangers packed without track brackets			Track (illustrated p. 110)			For doors weighing, pounds	Thickness of doors	Distance Bottom of track to center of bracket bolt hole	Diameter of bracket bolt	Distance, top of doors to bottom of track	
Number	Per pair		Number	Per foot						Minimum	Maximum
	List Price	Shipping Weight, lbs.		List Price	Shipping Weight, lbs.						
20½B	\$3.75	6½	31	\$.30	1.6	300	1¾"-2½"	3¾"	1½"	1¼"	2½"
27½B-1	5.40	9	31	.30	1.6	400	1¾"-2"	3¾"	1½"	1¼"	2½"
27½B-2	5.40	9	31	.30	1.6	400	2¼"-2¾"	3¾"	1½"	1¼"	2½"
28½B-1	6.65	11	32	.45	2	500	1¾"-2"	4¼"	1½"	1⅝"	2⅝"
28½B-2	6.65	11	32	.45	2	500	2¼"-2¾"	4¼"	1½"	1⅝"	2⅝"
29½B-1	7.65	14	232	.55	2.8	600	1¾"-2"	4½"	1½"	1⅝"	2⅝"
29½B-2	7.65	14	232	.55	2.8	600	2¼"-2¾"	4½"	1½"	1⅝"	2⅝"
123½B-1	10.35	25	33	.70	3.1	800	1¾"-2"	5"	1⅝"	1¾"	3¼"
123½B-2	10.35	25	33	.70	3.1	800	2¼"-3"	5"	1⅝"	1¾"	3¼"
150½B-1	10.65	25	33	.70	3.1	1000	1¾"-2"	5"	1⅝"	1¾"	3¼"
150½B-2	10.65	25	33	.70	3.1	1000	2¼"-3½"	5"	1⅝"	1¾"	3¼"

List Price and Specifications of Roller-Bearing Door Hangers

Hangers packed without track brackets			Track (illustrated p. 110)			For doors weighing, pounds	Thickness of doors	Distance Bottom of track to center of bracket bolt hole	Diameter of bracket bolt	Distance, top of doors to bottom of track	
Number	Per pair		Number	Per foot						Minimum	Maximum
	List Price	Shipping Weight, lbs.		List Price	Shipping Weight, lbs.						
20-2	\$3.40	8	31	\$.30	1.6	300	1 $\frac{3}{4}$ "-2 $\frac{1}{2}$ "	3 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
25-1	3.75	11 $\frac{1}{2}$	31	.30	1.6	400	1 $\frac{3}{4}$ "-2"	3 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
25-2	3.75	11 $\frac{1}{2}$	31	.30	1.6	400	2 $\frac{1}{4}$ "-2 $\frac{3}{4}$ "	3 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
28V-1	5.30	12 $\frac{1}{2}$	32	.45	2	500	1 $\frac{3}{4}$ "-2"	4 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
28V-2	5.30	12 $\frac{1}{2}$	32	.45	2	500	2 $\frac{1}{4}$ "-2 $\frac{3}{4}$ "	4 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
29V-1	6.00	16	232	.55	2.8	600	1 $\frac{3}{4}$ "-2"	4 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
29V-2	6.00	16	232	.55	2.8	600	2 $\frac{1}{4}$ "-2 $\frac{3}{4}$ "	4 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
121-1	8.45	25	33	.70	3.1	800	1 $\frac{3}{4}$ "-2"	5"	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
121-2	8.45	25	33	.70	3.1	800	2 $\frac{1}{4}$ "-3"	5"	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
150-1	8.70	25	33	.70	3.1	1000	1 $\frac{3}{4}$ "-2"	5"	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "
150-2	8.70	25	33	.70	3.1	1000	2 $\frac{1}{4}$ "-3 $\frac{1}{2}$ "	5"	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "

Note—For the heaviest doors designated above, under each size of track, bracket centers should be spaced not more than 24 inches apart. For lighter doors than the maximum, under each size of track bracket centers should be spaced not to exceed 30 inches apart.

State—Whether for single or double doors. Width and height of opening. Thickness of doors. Designate catalog number and quantity of hangers and other hardware wanted from tables above.

Directions for Ordering

Example Order—1 set hardware for single door, opening 8 feet wide, 8 feet high, door 1 $\frac{3}{4}$ inches thick, including 1 pair No. 20 $\frac{1}{2}$ B Hangers, 7 No. 1X31 Brackets, 2 No. 2X31 Brackets, 1 No. 54 Stay Roller, 1 No. 272 Floor End Guide, 2 No. 435-72 Bumper Shoes, 1 No. 70-1 Pull, 1 No. 71-1 Handle, 1 No. 525 Lock.

Discount.....

R-W

Parallel Sliding Garage Door Hardware

With or Without Weather Strip



Fig. A-904—Exterior View. Both Doors Closed



Fig. A-905—Exterior View. One Door Partly Open. One Closed

Other Exterior Views Shown on Page 83

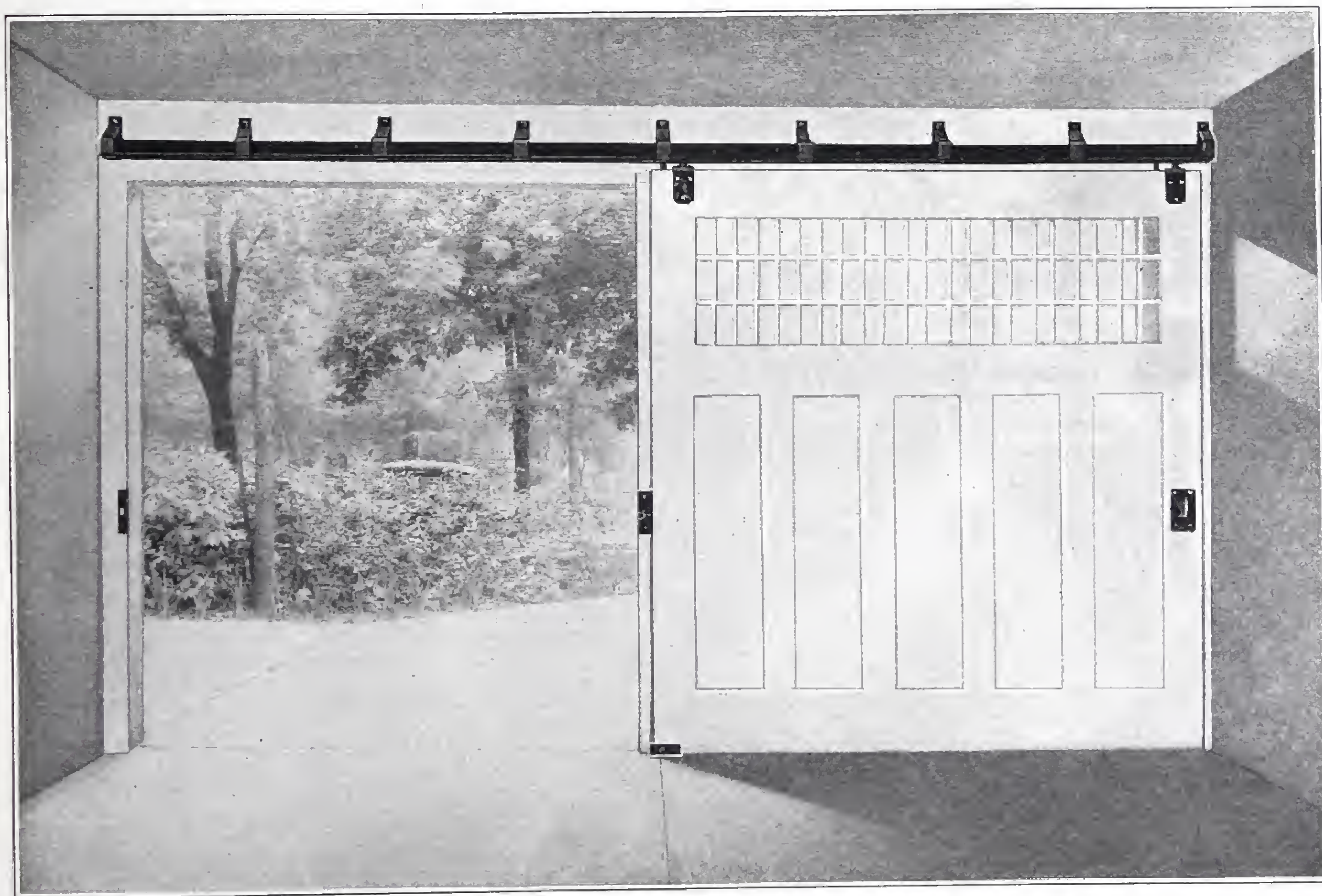


Fig A-906—Interior View. One Door Open. One Door Closed

For those who desire Parallel Sliding Doors for their garages, an examination of the following pages will prove of benefit.

Two parallel doors operate on two parallel tracks and such installations are generally located in two-car garages.

Three parallel doors usually operate on three parallel tracks and are generally located in three-car garages.

The various interior views show doors sliding inside the garage. In these instances the track brackets should be attached to either the ceiling or to the side of the front wall, as conditions demand.

If it is desired that the doors slide along the outside of the building the track brackets must be attached to the side of the wall in every instance.

When the doors slide on the outside of the wall the tracks are, in most cases, protected from the elements by the projection of the roof. Where this is not the case we suggest that either a wood or metal housing be placed over the tracks.

Weatherstrips have nothing to do with the operation of the door, only with the exclusion of wind, rain and cold. Where it is intended to keep the garage warm in winter, weather strips are greatly to be desired.

R-W

Parallel Sliding Garage Door Hardware

Two Doors Sliding from Jamb to Jamb on Two Parallel Tracks

With or Without Weather Strips

Made in four sizes of track, for doors weighing up to 1,000 pounds each

(Diagrams on Next Page Show Installation Details)

List Price of Sets With Weatherstrip. Without Locks or Door Bolts

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with these sets, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case. For information concerning Door Locks and Door Bolts see data below entitled "Door Locks and Door Bolts."

These sets contain all the hardware necessary to fully equip an opening of the size mentioned, including Hangers, Track, Bracket and Weatherstrip Assemblies; Floor Guides, Handles, etc., as enumerated in table on opposite page.	For Openings up to 16 Feet Wide			For Openings Over 16' Wide Add to the 16' Set Prices the Following Amounts for Each Additional Foot or Fraction thereof		
	List Price Per Set		Shipping Weight Lbs. Per Set	List Price Per Foot		Shipping Weight Lbs. Per Foot
	With Ball Bearing Hangers	With Roller Bearing Hangers		With Ball Bearing Hangers	With Roller Bearing Hangers	
Set using Two-Track Nos. 256 or 356 Track, Bracket and Weatherstrip Assembly (No. 31 size track).....	\$48.00	\$43.00	280	\$1.95	\$1.95	8 1/4
Set using Two-Track Nos. 257 or 357 Track, Bracket and Weatherstrip Assembly (No. 32 size track).....	59.00	54.00	330	2.50	2.50	9 1/2
Set using Two-Track Nos. 259 or 359 Track, Bracket and Weatherstrip Assembly (No. 232 size track).....	71.00	65.00	440	3.10	3.10	14 3/4
Set using Two-Track Nos. 258 or 358 Track, Bracket and Weatherstrip Assembly (No. 33 size track).....	85.50	77.50	520	3.70	3.70	12 3/4

Note—If track is to be attached to the wall, No. 256, 257, 258 or 259 assembly should be specified. If track is to be attached to the ceiling, No. 356, 357, 358 or 359 assembly should be specified.

List Price of Two-Track, Bracket and Weatherstrip Assemblies Only

For Wall Attachment

Description	Two-Track Assembly	
	Price	Shpg. Wt. lbs.
No. 256 Track, No. 31 size, per ft.....	\$1.95	8 1/4
No. 257 Track, No. 32 size, per ft.....	2.50	9 1/2
No. 259 Track, No. 232 size, per ft.....	3.10	12 3/4
No. 258 Track, No. 33 size, per ft.....	3.70	14 3/4

For Overhead Attachment

Description	Two-Track Assembly	
	Price	Shpg. Wt. lbs.
No. 356 Track, No. 31 size, per ft.....	\$1.95	7
No. 357 Track, No. 32 size, per ft.....	2.50	8
No. 359 Track, No. 232 size, per ft.....	3.10	11
No. 358 Track, No. 33 size, per ft.....	3.70	13

Note—When ordering be sure to mention that Two-Track Assembly is desired, as we also make a Three-Track Assembly (See page 95).

List Price of Sets Without Weatherstrip Without Locks or Door Bolts

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with these sets, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case. For information concerning Door Locks and Door Bolts see data below entitled, "Door Locks and Door Bolts."

These sets contain all the hardware necessary to fully equip an opening of the size mentioned, including Hanger, Track, Brackets, (no Weatherstrip), Floor Guides, Handles, etc., as enumerated in table on opposite page.	For Openings up to 16 Foot Wide			For Openings Over 16' Wide Add to the 16' Set Prices the Following Amounts for Each Additional Foot or Fraction Thereof.		
	List Price Per Set		Shipping Weight Lbs. Per Set	List Price Per Foot		Shipping Weight Lbs. Per Foot
	With Ball Bearing Hangers	With Roller Bearing Hangers		With Ball Bearing Hangers	With Roller Bearing Hangers	
Set using two runs of No. 31 Track.....	\$33.60	\$28.40	260	\$1.05	\$1.05	5
Set using two runs of No. 32 Track.....	44.40	39.00	300	1.60	1.60	7 1/2
Set using two runs of No. 33 Track.....	53.00	45.00	380	1.90	1.90	9
Set using two runs of No. 232 Track.....	65.25	57.00	460	2.30	2.30	12

Door Locks and Door Bolts (For Above Sets)

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with the above sets of hardware, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case from the combinations here shown.

	Wall Attachment	Overhead Attachment
For locking both doors from inside and outside use.....	*2 No. 510 Locks	2 No. 525 Locks
For locking one door from inside only and one door from inside and outside.....	1 No. 516 Bolt *and 1 No. 510 Lock or 1 No. 524 Cane Bolt *and 1 No. 510 Lock	1 No. 524 Cane Bolt and 1 No. 525 Lock

* No. 525 Locks may be substituted if desired, but jamb strips flush with the face of the door must be provided.

Directions for Ordering

State total width of opening, number of doors, and size of track desired. Width and height of each door; thickness of doors, whether for inside or outside installation, and that doors are to run on two tracks. Are they for wall or overhead attachment. Kind of Locks or Door Bolts desired. (These are not included in set prices.) State whether or not weatherstrip is desired.

Example Order for Complete Sets

With Weatherstrip: 1 Set No. 256 Parallel Sliding Garage Door Equipment for opening 16' wide. 2 doors sliding from jamb to jamb on two parallel tracks (No. 31 size track). For 2 doors 8'2" by 8' by 1 3/4", for inside installation. For wall attachment. Also 2 No. 510 Door Locks.
Without Weatherstrip: 1 set of Parallel Sliding Garage Door Equipment, without weatherstrip for opening 16' wide. For 2 parallel doors sliding from jamb to jamb on No. 31 Track. For 2 doors 8'2" by 8' by 1 3/4", for inside installation. For wall attachment. Also 2 No. 510 Door Locks.

Discount.....

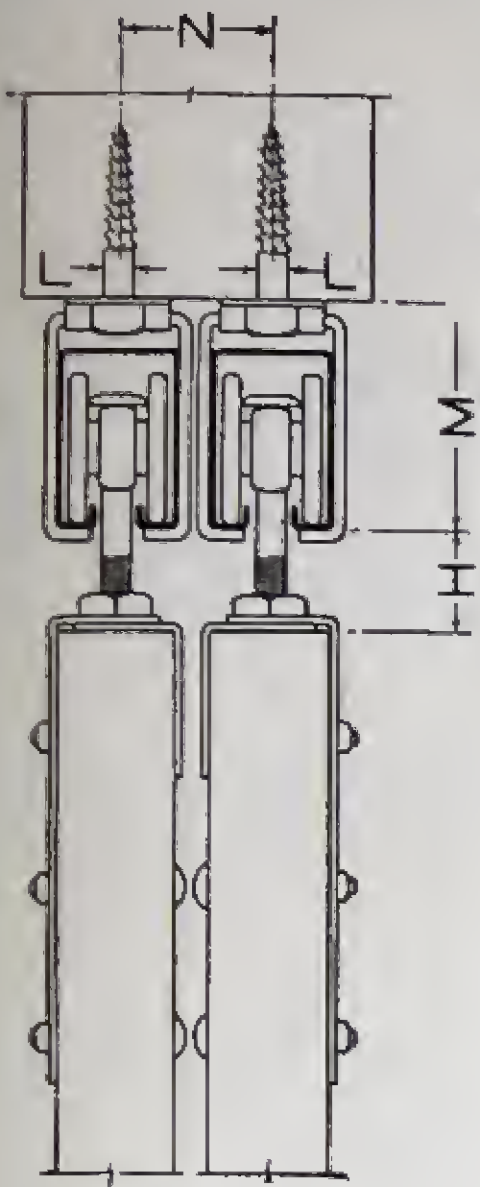


Fig. A-908

Fig. A-908—Cross-section showing overhead bracket attachment, without weatherstrip, of two parallel sliding doors. See page 96 for dimensions.

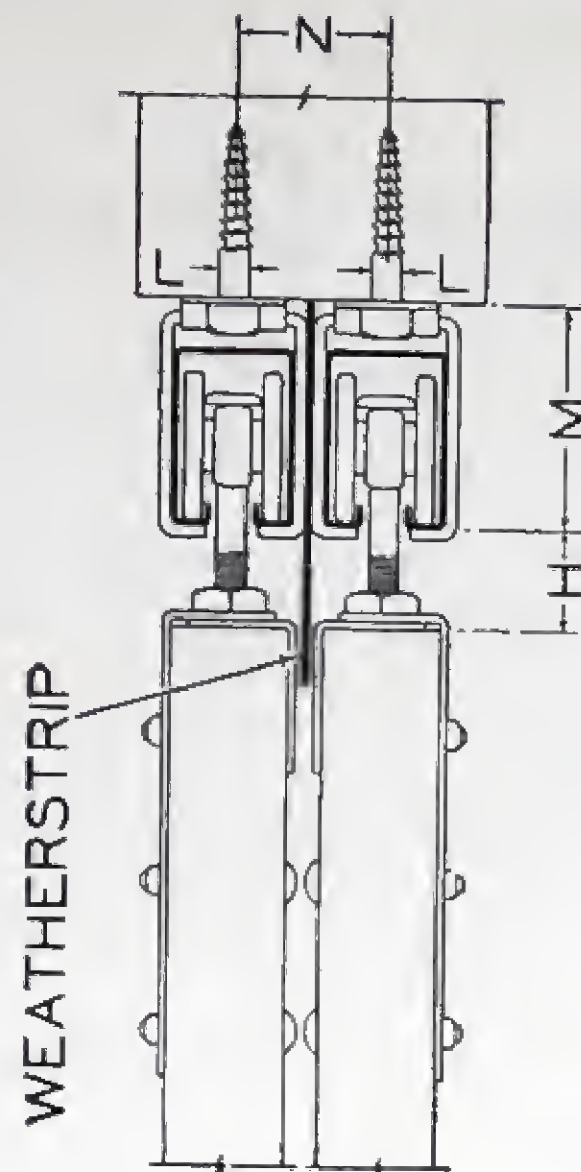


Fig. A-910

Fig. A-909—Cross-section showing wall bracket attachment, without weatherstrip, of two parallel sliding doors. See page 96 for dimensions.

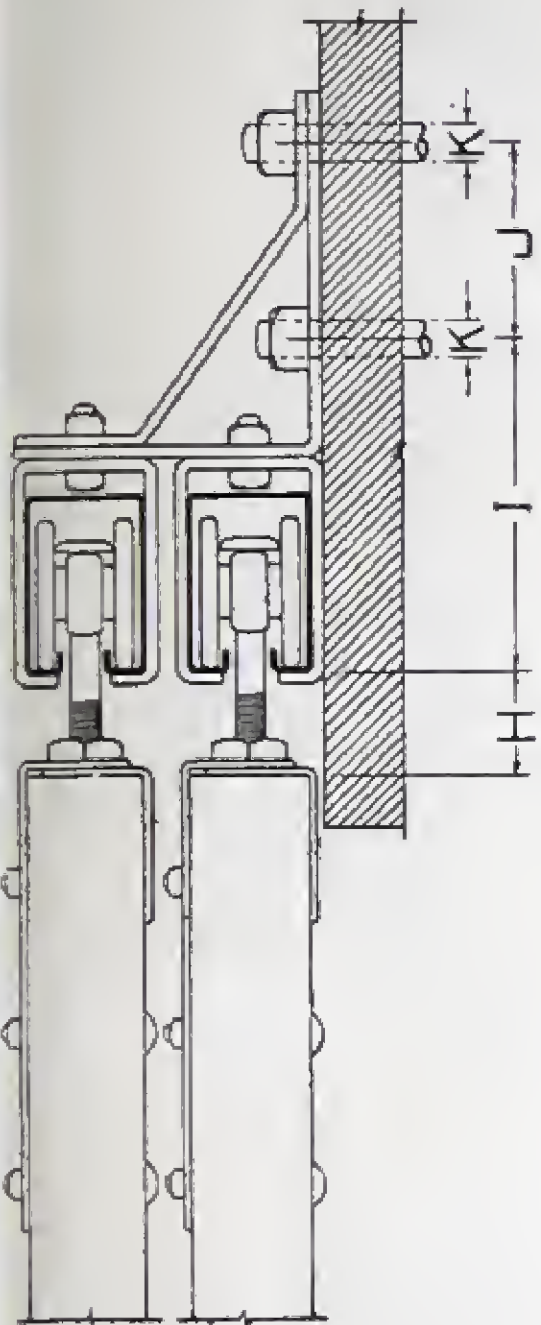


Fig. A-909

Fig. A-910—Cross-section showing overhead bracket attachment, with weatherstrip, of two parallel sliding doors. See page 96 for dimensions.

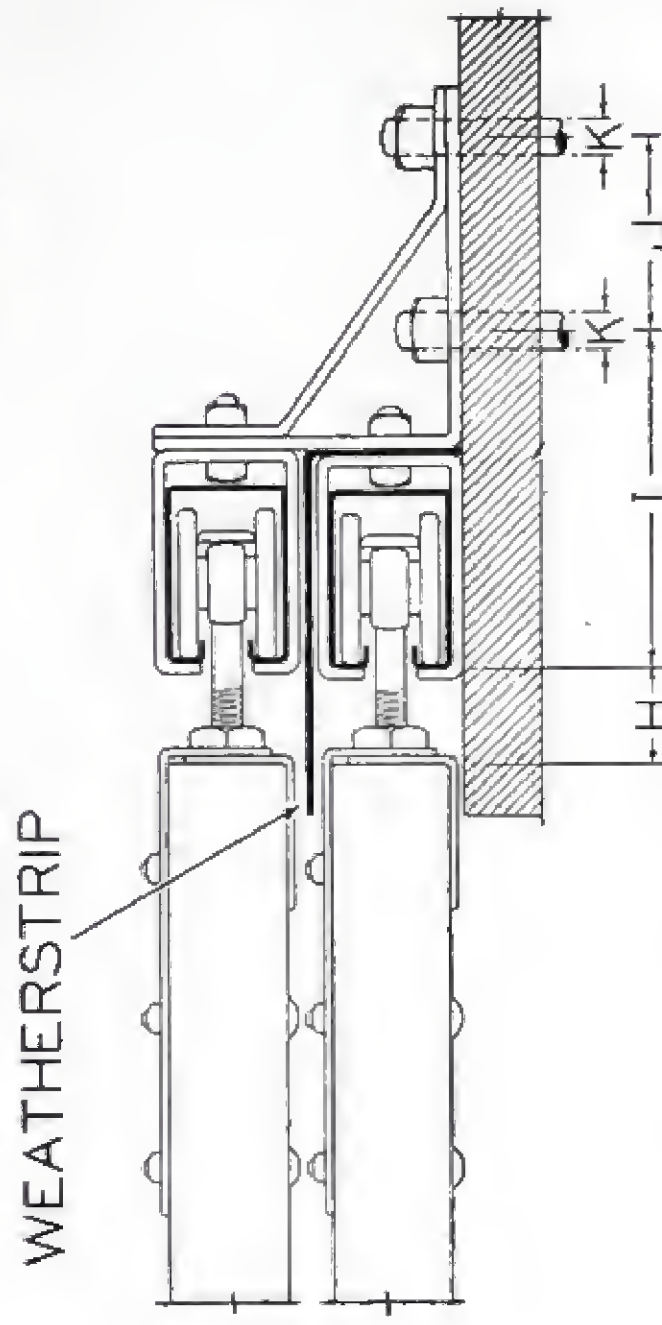


Fig. A-911

Fig. A-911—Cross-section showing wall bracket attachment, with weatherstrip, of two parallel sliding doors. See page 96 for dimensions.

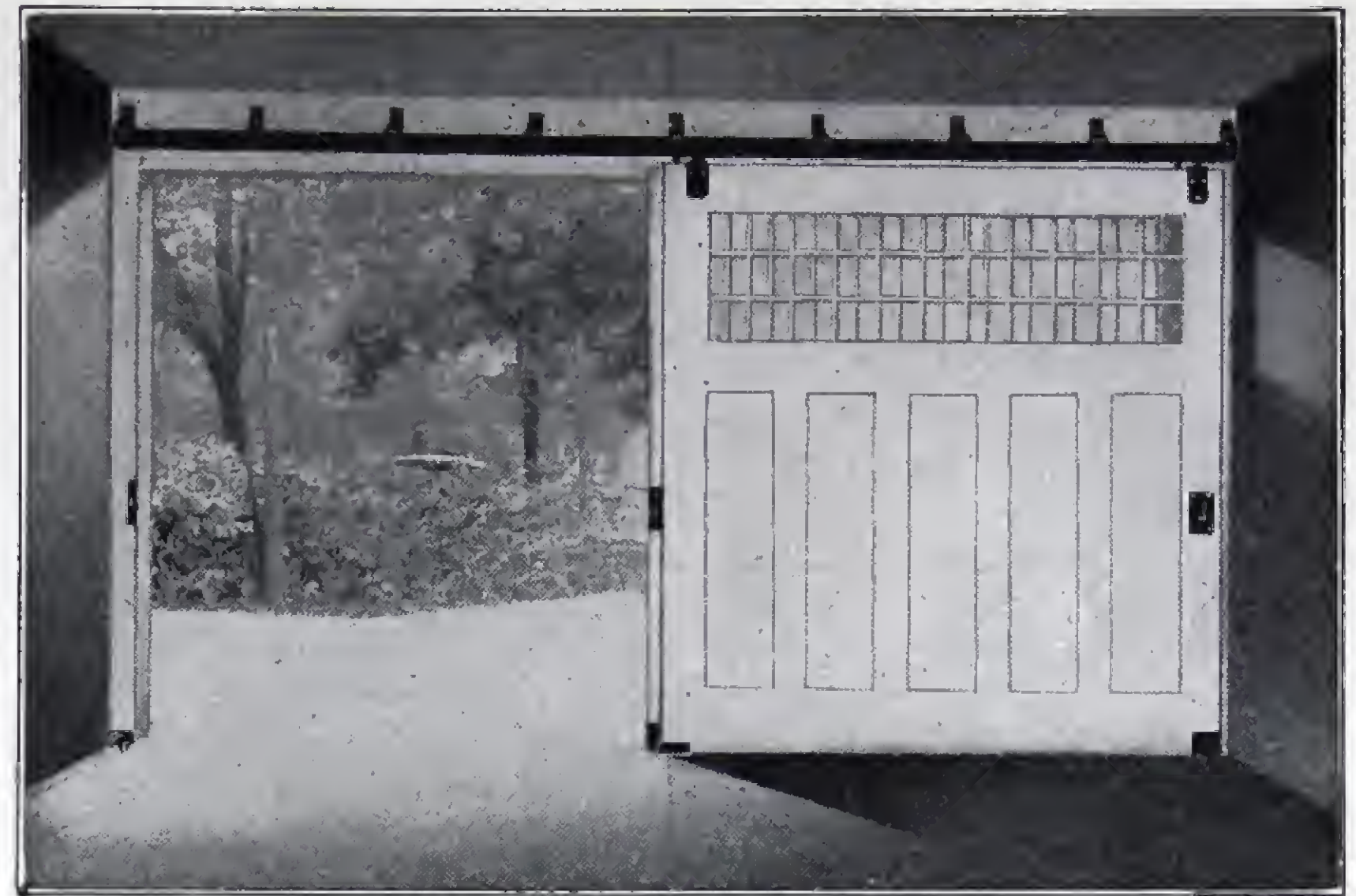


Fig. A-907—Interior View of Two Parallel Doors, without weatherstrip

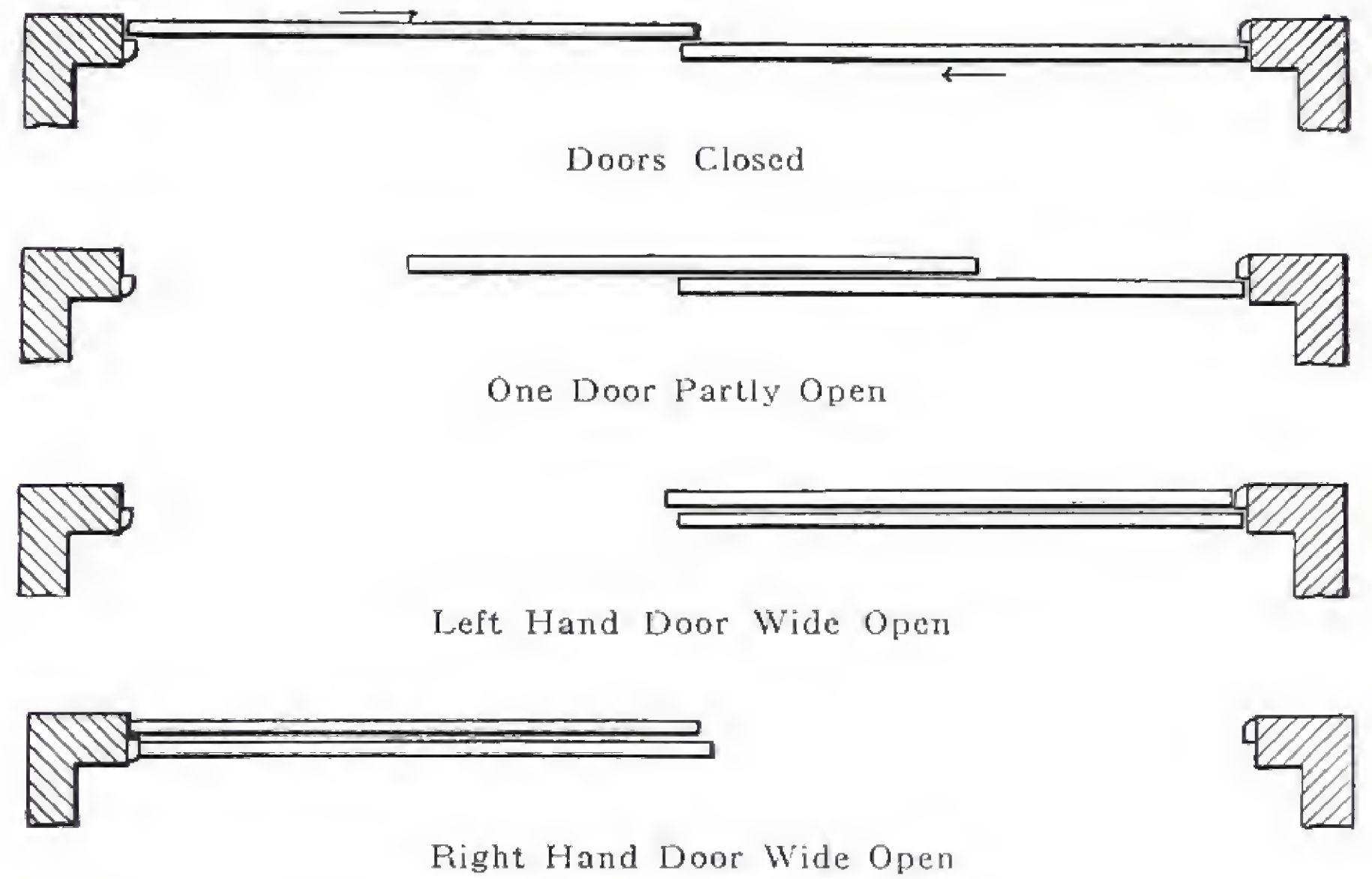


Fig. A-914—Floor Plans

List of Material for Sets Listed on Opposite Page

DESCRIPTION	For No. 31 Track For Doors Weighing up to 400 lbs. each		For No. 32 Track For Doors Weighing up to 500 lbs. each		For No. 232 Track For Doors Weighing up to 600 lbs. each		For No. 33 Track For Doors Weighing up to 800 lbs. each	
	Installation		Installation		Installation		Installation	
	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Items required for either track less weatherstrip, or track with weatherstrip sets:								
*2 Pr. Hangers, Ball Bearing.....	27 1/2 B	27 1/2 B	28 1/2 B	28 1/2 B	29 1/2 B	29 1/2 B	123 1/2 B	123 1/2 B
*2 Pr. Hangers, Roller Bearing.....	25	25	28 V	29 V	29 V	29 V	121	121
2 Floor End Door Guides (used with wall attachment track bracket sets only).....	272		272		272		272	
4 Bumper Shoes (used with wall attachment track bracket sets only).....	435-72		435-72		4435-72		435-72	
†1 Flush Pull (not required, if locks are used).....	70-1	70-1	70-1	70-1	70-1	70-1	70-1	70-1
1 Bow Handle (not required if locks are used).....	81-1	81-1	81-1	81-1	81-2	81-2	81-2	81-2
1 Parallel Door Floor Guide.....	172-1	172-1	172-1	172-1	172-1	172-1	172-1	172-1
Material required for track less weatherstrip sets only, in addition to items listed above:								
Trolley Track, Amount required equals twice width of opening.....	31	31	32	32	232	232	33	33
†Brackets, Double Center, Wall Attachment.....	22x31	22x31	22x32	22x32	22x232	22x232	22x33	22x33
†2 Brackets, Double End, Wall Attachment.....	23x31	23x31	23x32	23x32	23x232	23x232	23x33	23x33
†Brackets, Parallel Ear Overhead Center.....	7x31	7x31	7x32	7x32	7x232	7x232	7x33	7x33
†4 Brackets, Parallel Ear Overhead, Right or Left End.....	8x31	8x31	8x32	8x32	8x232	8x232	8x33	8x33
Material required for track with weatherstrip sets only:								
§Two-Track, Bracket and Weatherstrip Assembly for Wall Attachment. (Amount required equals width of opening).....	256	256	257	257	259	259	258	258
§Two-Track, Bracket and Weatherstrip Assembly for Overhead Attachment. (Amount required equals width of opening).....	356	356	357	357	359	359	358	358

Notes—* Other Ball Bearing Hangers or Roller Bearing Hangers may be used if desired. See page 86. † Center Brackets should be spaced on 2' centers. Wall Brackets not used on overhead installations, and vice versa. No. 7 Brackets are Single Brackets and twice the number are required as of No. 22 Brackets. ‡ On doors over 2" thick use the No. 70-2 size. § When this Weatherstrip Assembly is used no other track or brackets are required.

R-W

Parallel Sliding Garage Door Hardware

Two Doors Sliding on Two Parallel Tracks to Wall Space On One Side of Opening
or Four Doors Sliding on Two Parallel Tracks to Wall Space on Both Sides of Opening

Diagrams on Next Page Show Installation Details

List Price of Sets *Without Weatherstrip*

Without Locks or Door Bolts

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with these sets, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case. For information concerning Door Locks and Door Bolts see data below entitled, "Door Locks and Door Bolts."

	For Openings up to 8 Feet Wide			For Openings Over 8' Wide Add to the 8' Set Prices the Following Amounts for Each Additional Foot or Fraction thereof		
	List Price Per Set		Shipping Weight Lbs. Per Set	List Price Per Foot		Shipping Weight Lbs. Per Foot
	With Ball Bearing Hangers	With Roller Bearing Hangers		With Ball Bearing Hangers	With Roller Bearing Hangers	
2-Door sets contain all the hardware necessary to fully equip an opening of the size mentioned, including Hangers, Track, Brackets (no Weatherstrip) Floor Guides, Handles, etc., as enumerated in table below.						
4-Door Sets for openings up to 16' wide take twice the amount of hardware as do the 2-Door Sets and the Set Prices are Doubled.						
Set using Two Runs of No. 31 Track.....	\$28.00	\$23.00	140	\$.96	\$.96	5
Set using Two Runs of No. 32 Track.....	36.50	31.50	185	1.46	1.46	7 1/2
Set using Two Runs of No. 232 Track.....	43.00	37.00	250	1.80	1.80	9
Set using Two Runs of No. 33 Track.....	53.00	45.00	320	2.15	2.15	12

Note—Weatherstrips are not required when doors operate according to this plan. Head jamb is built out by the carpenter to meet the door on the track farthest from the wall. See Fig. A-921.

Door Locks and Door Bolts

(For Above Sets)

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with the above sets of hardware, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case from the combinations here shown.

For locking doors from both inside and outside use: 1 No. 525 Door Lock (page 117) or 1 No. 510 Door Lock (page 117) and 1 No. 616 Door Bolt (page 122) or 1 No. 524 Cane Bolt (page 121) attached to edge of back door.

For locking doors from inside only use: 1 No. 616 Door Bolt (page 122) and 1 No. 524 Cane Bolt (page 121) or 2 No. 524 Cane Bolts for inside installations; 2 No. 616 Bolts or 1 No. 616 and 1 No. 524 Bolt for outside installations.

For 4-Door Openings, two doors opening each way, double the quantity of all locks and bolts except Nos. 510 and 525. Only one No. 510 or 525 lock is required for each opening.

Jamb strip must be built out flush with the door when No. 525 Lock is used.

Directions for Ordering

State total width of opening, number of doors, and size of track desired. Width and height of each door; thickness of doors, whether for inside or outside installation, and that doors are to run on two tracks. Are they for wall or overhead attachment. Kind of Locks or Door Bolts desired. (These are not included in set prices.)

Example Order for Complete Sets

Without Weatherstrip: 1 Set Parallel Sliding Garage Door Hardware. 2 doors sliding on two parallel tracks to wall space on one side of opening on No. 31 track. For doors 4'2" by 8' by 1 1/4", for inside installation. For wall attachment. Also 1 No. 525 Door Lock, and 1 No. 524-1 Cane Bolt.

List of Material for Above Sets of Hardware

DESCRIPTION	For No. 31 Track For Doors Weighing up to 400 lbs. each		For No. 32 Track For Doors Weighing up to 500 lbs. each		For No. 232 Track For Doors Weighing up to 600 lbs. each		For No. 33 Track For Doors Weighing up to 800 lbs. each	
	Installation		Installation		Installation		Installation	
	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
*2 Pr. Hangers, Ball Bearing.....	27 1/2 B	27 1/2 B	28 1/2 B	28 1/2 B	29 1/2 B	29 1/2 B	123 1/2 B	123 1/2 B
*2 Pr. Hangers, Roller Bearing.....	25	25	28 V	28 V	29 V	29 V	121	121
Trolley Track. Amount required equals 2 1/2 times width of opening.....	31	31	32	32	232	232	33	33
*Brackets, Single Center Wall Attachment (No. 22 style less bracket proper nearest the wall).....	22x31S	22x31S	22x32S	22x32S	22x232S	22x232S	22x33S	22x33S
**1 Bracket, Single End Wall Attachment (No. 23 style less bracket proper nearest the wall).....	23x31S	23x31S	23x32S	23x32S	23x232S	23x232S	23x33S	23x33S
†1 Bracket, Overhead Center Stop (for four- door openings only).....	10x31	10x31	10x32	10x32	10x232	10x232	10x33	10x33
†1 Bracket, Wall Center Stop (No. 13 style less bracket proper nearest the wall for 4-Door openings only).....	13x31S	13x31S	13x32S	13x32S	13x232S	13x232S	13x33S	13x33S
**Brackets, Double Center Wall Attachment.	22x31	22x31	22x32	22x32	22x232	22x232	22x33	22x33
**1 Bracket, Double End Wall Attachment.	23x31	23x31	23x32	23x32	23x232	23x232	23x33	23x33
**Brackets, Parallel Ear Overhead Center....	7x31	7x31	7x32	7x32	7x232	7x232	7x33	7x33
**4 Brackets, Parallel Ear Overhead, Right or Left End.....	8x31	8x31	8x32	8x32	8x232	8x232	8x33	8x33
1 Floor End Door Guide.....	272		272		272		272	
2 Bumper Shoes.....	435-72		435-72		435-72		435-72	
†1 Flush Pull.....	70-1	70-1	70-1	70-1	70-1	70-1	70-1	70-1
††1 Bow Handle.....	81-1	81-1	81-1	81-1	81-2	81-2	81-2	81-2
1 Parallel Door Floor Guide.....	172-1	172-1	172-1	172-1	172-1	172-1	172-1	172-1

Notes—* Other Ball Bearing Hangers or Roller Bearing Hangers may be used if desired. See page 96. ** Center Brackets should be spaced on 2' centers. Wall Brackets not used on overhead installations, and vice versa. No. 7 Brackets are Single Brackets and twice the number are required as of No. 22 Brackets. † On doors over 2" thick use the No. 70-2 size. †† Not required if No. 510 or No. 525 Lock is used.

Discount

R-W Parallel Sliding Garage Door Hardware

Without Weatherstrip
Continued

Two Doors Sliding On Two
Parallel Tracks to Wall Space
On One Side of Opening

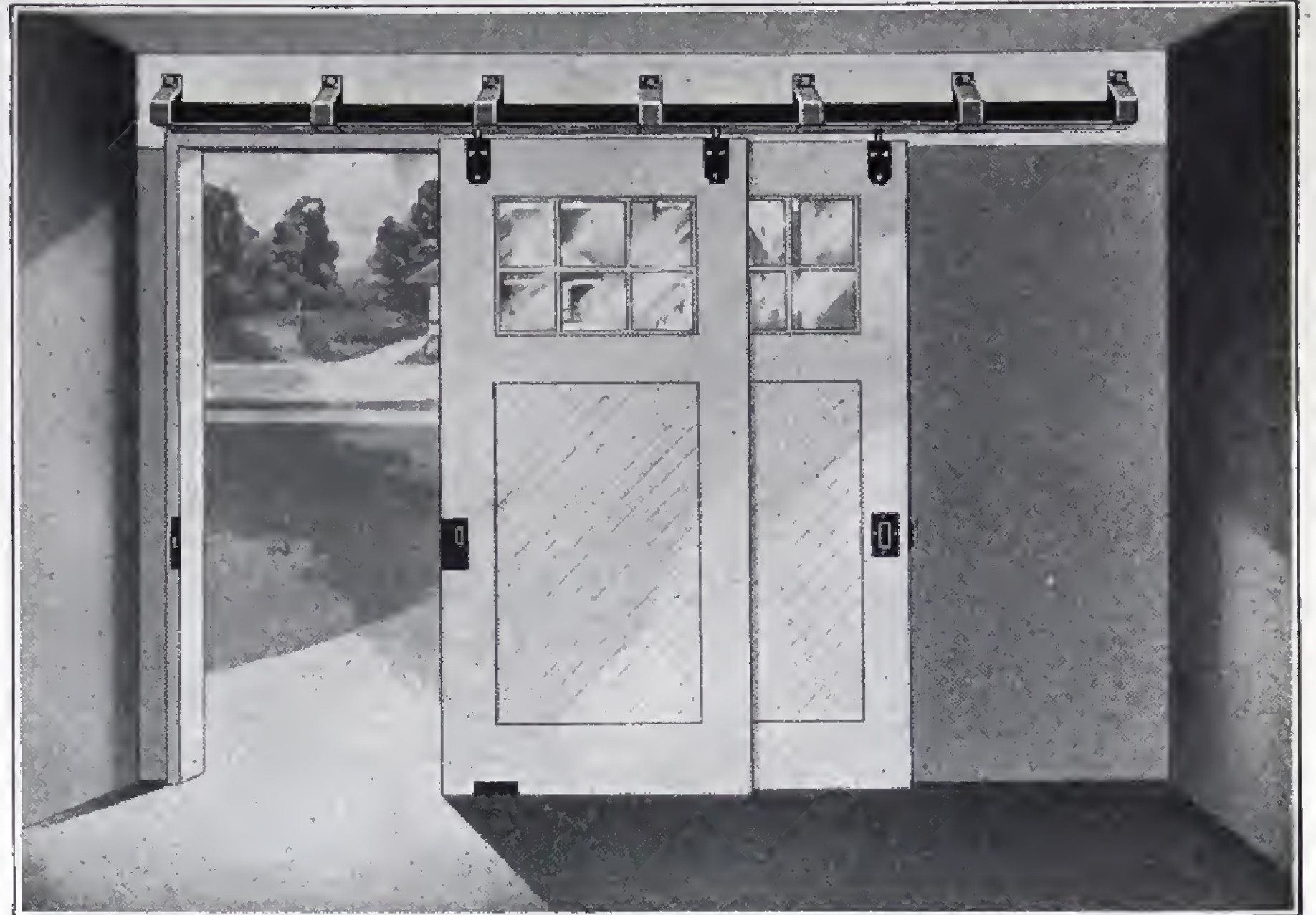


Fig. A-915—Interior View of One Car Garage

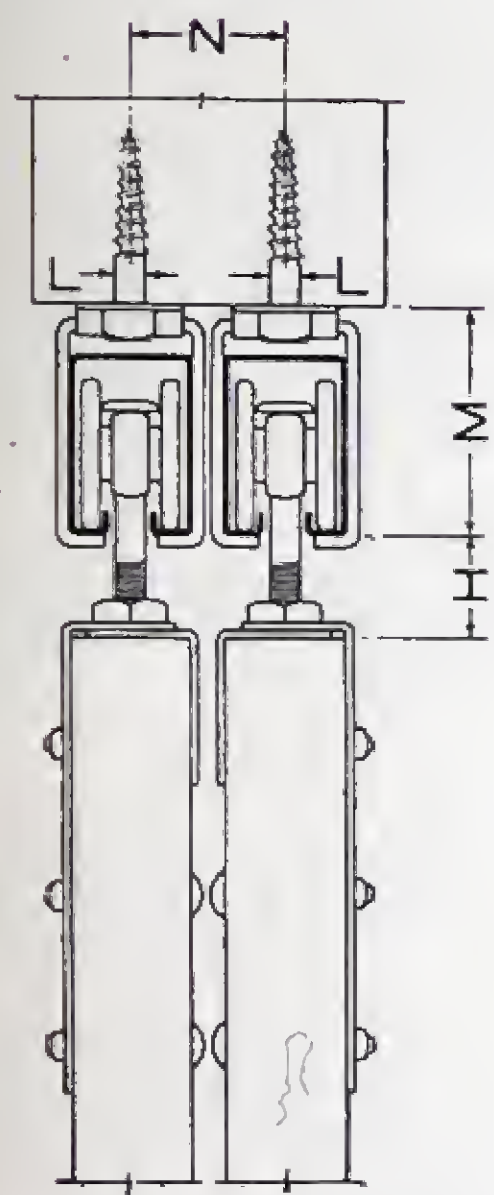


Fig. A-916 — Cross-section showing overhead bracket attachment without weatherstrip, of two parallel sliding doors. See page 96 for dimensions, using those referring to Fig. No. A-908.

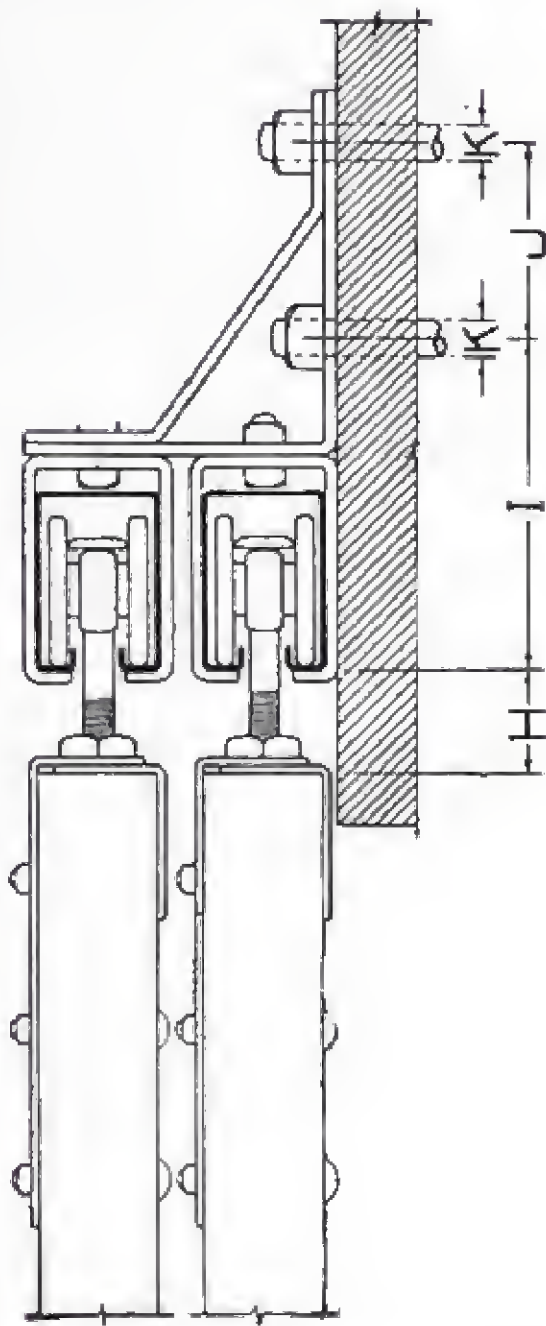
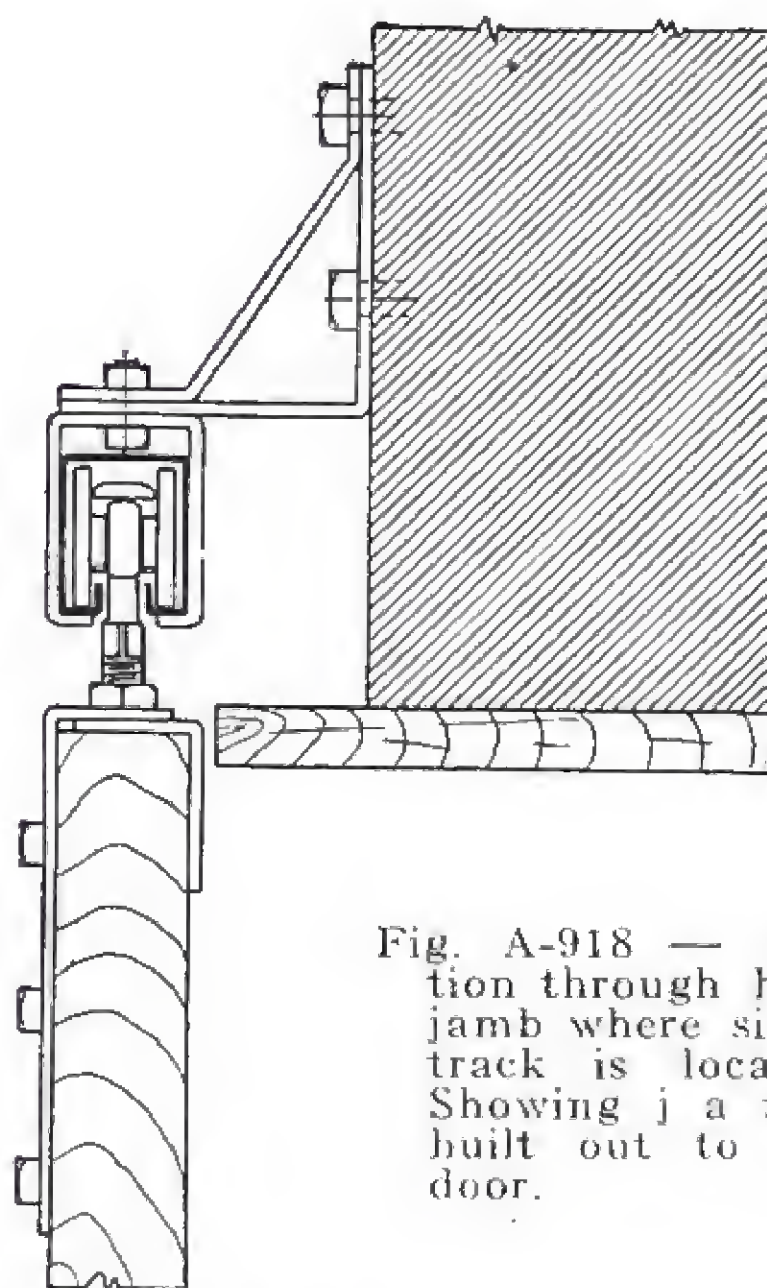
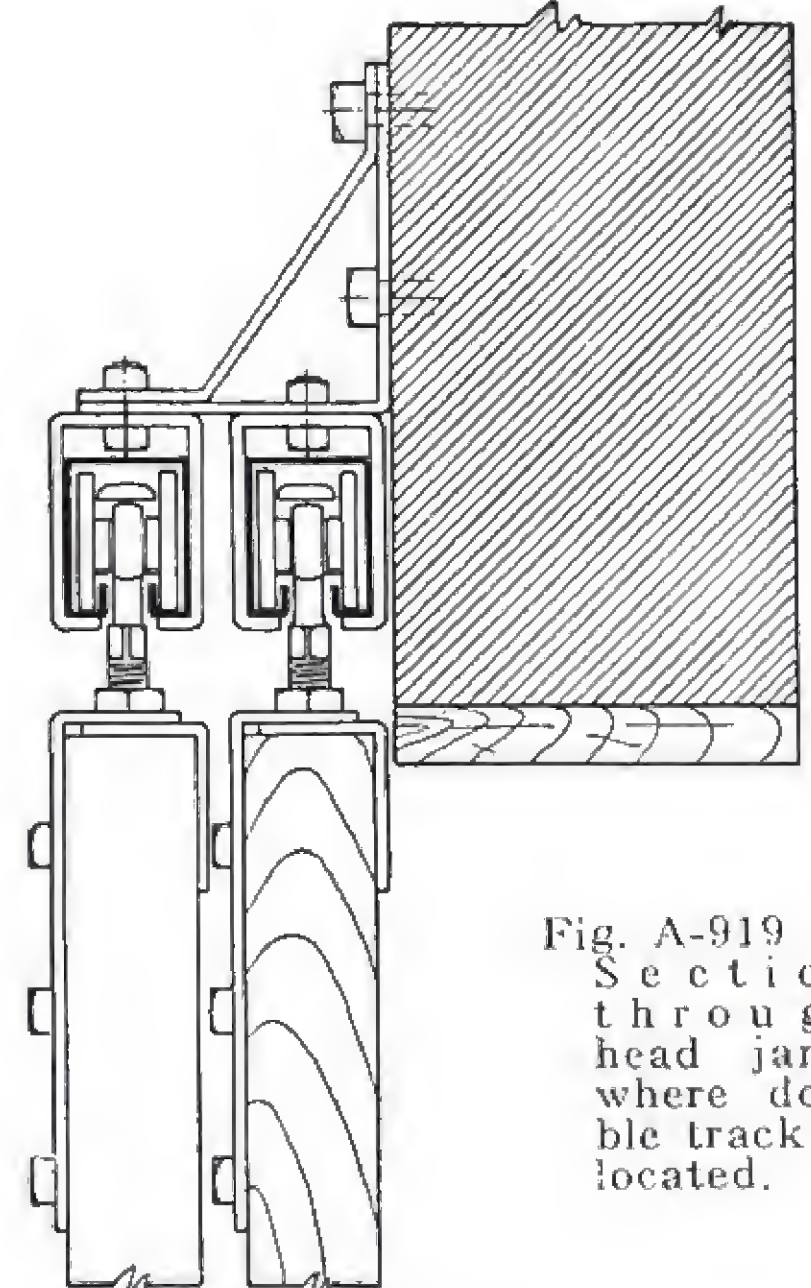


Fig. A-917 — Cross-section showing wall bracket attachment, without weatherstrip, of two parallel sliding doors. See page 96 for dimensions, using those referring to Fig. No. A-909.



SECTION A-A

Fig. A-918 — Section through head jamb where single track is located. Showing jamb built out to the door.



SECTION B-B

Fig. A-919 — Section through head jamb where double track is located.



Fig. A-920—Track Plans showing two parallel tracks without weatherstrip

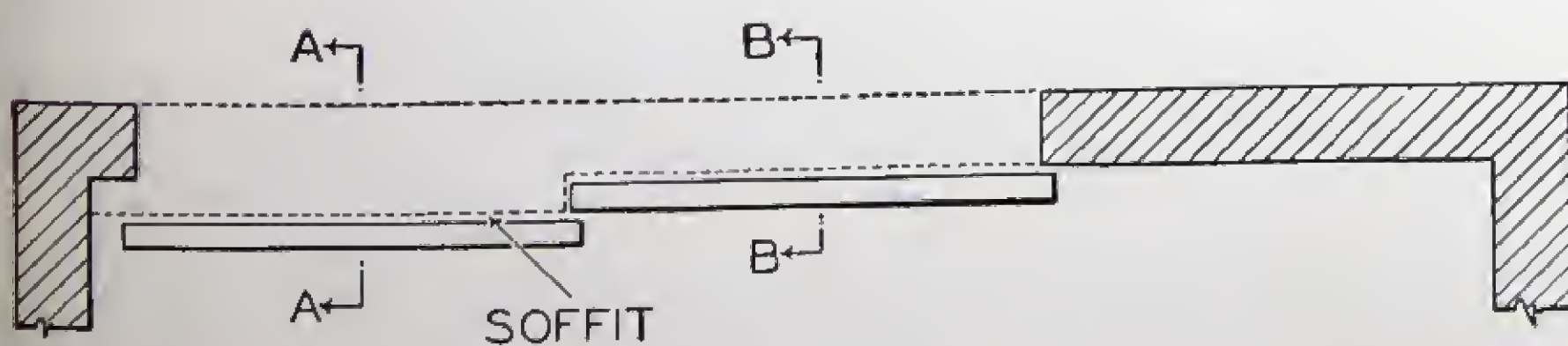
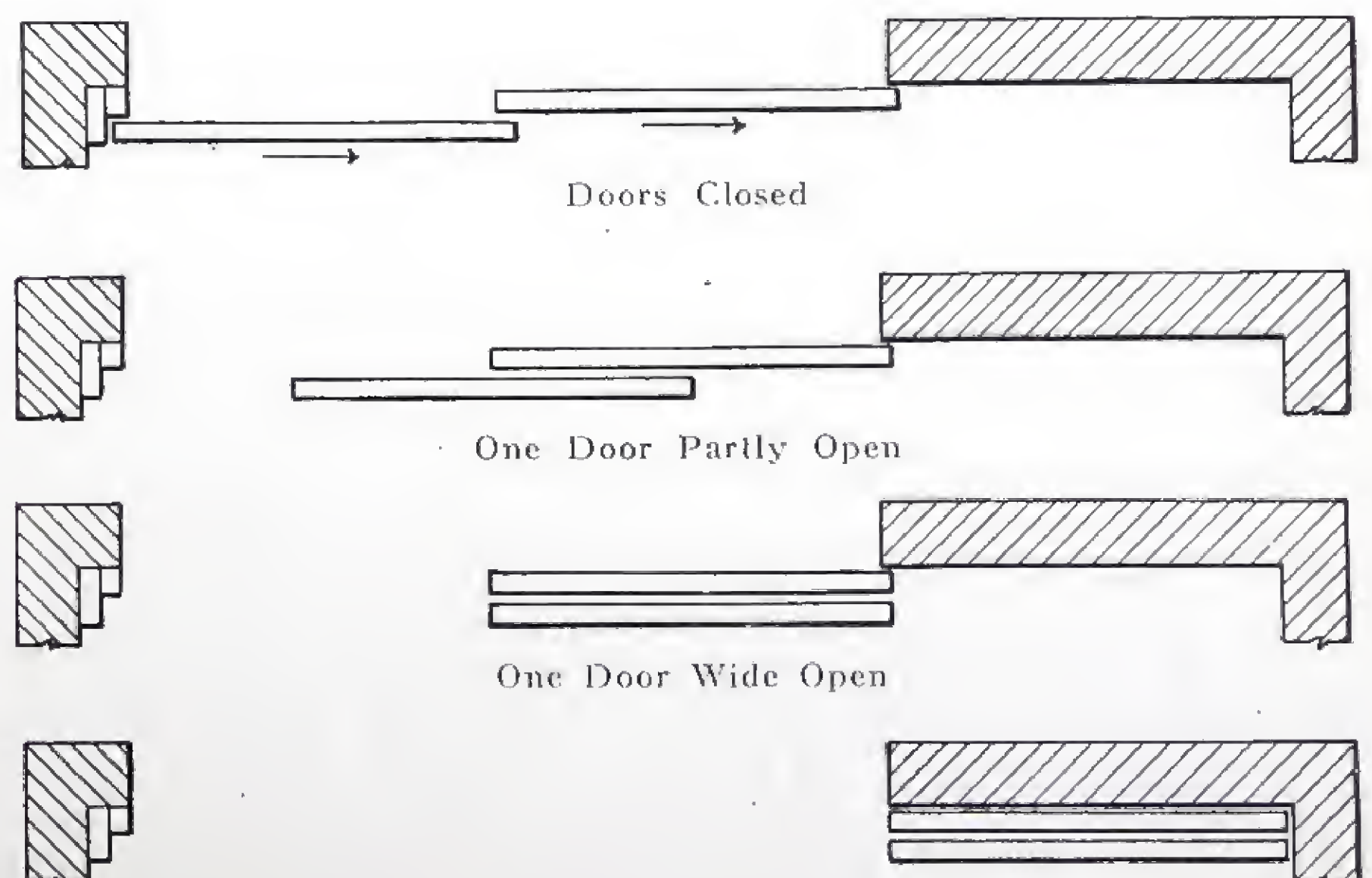


Fig. A-921—Plan showing how head jamb is built out to meet the door mounted on the track farthest from the wall.



Both Doors Wide Open
Fig. A-922—Floor Plans

R-W

Parallel Sliding Garage Door Hardware

Three Doors Sliding from Jamb to Jamb on Two Parallel Tracks
(Diagrams on Next Page Show Installation Details)

List Price of Sets *With Weatherstrip*
Without Locks or Door Bolts

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with these sets, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case. For information concerning Door Locks and Door Bolts see data below entitled, "Door Locks and Door Bolts."

These sets contain all the hardware necessary to fully equip an opening of the size mentioned, including Hangers, Track, Bracket and Weatherstrip Assemblies; Floor Guides, Handles, etc., as enumerated in table on opposite page.	For Openings up to 24' Wide			For Openings Over 24' Wide Add to the 24' Set Prices the Following Amounts for Each Additional Foot or Fraction thereof		
	List Price Per Set		Shipping Weight Lbs. Per Set	List Price Per Foot		Shipping Weight Lbs. Per Foot
	With Ball Bearing Hangers	With Roller Bearing Hangers		With Ball Bearing Hangers	With Roller Bearing Hangers	
*Set using Two-Track Nos. 256 or 356 Track, Bracket and Weatherstrip Assembly (No. 31 size track)	\$73.00	\$65.00	275	\$1.95	\$1.95	8 1/4
*Set using Two-Track Nos. 257 or 357 Track, Bracket and Weatherstrip Assembly (No. 32 size track)	90.00	82.00	300	2.50	2.50	9 1/2
*Set using Two-Track Nos. 259 or 359 Track, Bracket and Weatherstrip Assembly (No. 232 size track)	108.00	98.50	390	3.10	3.10	12 3/4
*Set using Two-Track Nos. 258 or 358 Track, Bracket and Weatherstrip Assembly (No. 33 size track)	130.00	118.00	460	3.70	3.70	14 3/4

Note—*Assembly Nos. 256, 257, 258, 259 are for attachment to wall, Nos. 356, 357, 358, 359, for attachment to ceiling.

List Price of Two-Track, Bracket and Weatherstrip Assemblies Only

For Wall Attachment

For Overhead Attachment

Description	Two-Track Assembly	
	Price	Shpg. Wt., lbs.
No. 256 Track, No. 31 size, per ft.	\$1.95	8 1/4
No. 257 Track, No. 32 size, per ft.	2.50	9 1/2
No. 259 Track, No. 232 size, per ft.	3.10	12 3/4
No. 258 Track, No. 33 size, per ft.	3.70	14 3/4

Description	Two-Track Assembly	
	Price	Shpg. Wt., lbs.
No. 356 Track, No. 31 size, per ft.	\$1.95	7
No. 357 Track, No. 32 size, per ft.	2.50	8
No. 359 Track, No. 232 size, per ft.	3.10	11
No. 358 Track, No. 33 size, per ft.	3.70	13

Note—When ordering be sure to mention that Two-Track Assembly is desired, as we also make a Three-Track Assembly (See page 95).

List Price of Sets *Without Weatherstrip* Without Locks or Door Bolts

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with these sets, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case. For information concerning Door Locks and Door Bolts see data below entitled, "Door Locks and Door Bolts."

These sets contain all the hardware necessary to fully equip an opening of the size mentioned, including Hangers, Track, Brackets, (no Weatherstrip). Floor Guides, Handles, etc., as enumerated in table on opposite page.	For Openings up to 24' Wide			For Openings Over 24' Wide Add to the 24' Set Prices the Following Amounts Each Additional Foot or Fraction Thereof.		
	List Price Per Set		Shipping Weight Lbs. Per Set	List Price Per Foot		Shipping Weight Lbs. Per Foot
	With Ball Bearing Hangers	With Roller Bearing Hangers		With Ball Bearing Hangers	With Roller Bearing Hangers	
Set using Two Runs of No. 31 Track	\$52.00	\$44.00	270	\$1.05	\$1.05	5
Set using Two Runs of No. 32 Track	68.00	60.00	350	1.60	1.60	7 1/2
Set using Two Runs of No. 232 Track	81.00	71.00	440	1.90	1.90	9
Set using Two Runs of No. 33 Track	116.00	103.00	520	2.30	2.30	12

Door Locks and Door Bolts (For Above Sets)

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with the above sets of hardware, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case from the combinations here shown.

	Wall Attachment		Overhead Attachment
	Inside Installation	Outside Installation	
For locking two end doors from inside and outside and center door from inside only.	2 *No. 510 Locks and 1 No. 524 Cane Bolt.	2 *No. 510 Locks and 1 No. 616 Bolt.	2 No. 525 Locks and 1 No. 524 Cane Bolt.
For locking one end door from inside and outside and two doors from inside only.	1 *No. 510 Lock and 1 No. 524 Cane Bolt. and 1 No. 516 Bolt.	2 No. 510 Locks and 1 No. 616 Bolt.	1 No. 525 Lock and 1 No. 524 Cane Bolt. and 1 No. 516 Bolt.
†For locking all doors from inside only.	1 *No. 510 Lock and 2 No. 516 Bolts.	2 No. 516 Bolts.	2 No. 516 Bolts.

Note—* No. 525 Locks may be substituted if desired, but jamb strips flush with the face of the door must be provided. † The lock may be omitted and only the bolts used, if jamb strips flush with the face of the door are provided at both ends of the opening.

Directions for Ordering

State total width of opening, number of doors, and size of track desired. Width and height of each door; thickness of doors, whether for inside or outside installation, and that doors are to run on two tracks. Are they for wall or overhead attachment. Kind of Locks or Doors Bolts desired. (These are not included in set prices.) State whether or not weatherstrip is desired.

Example Orders for Complete Sets

With Weatherstrip: 1 Set No. 256 Parallel Sliding Garage Door Equipment for opening 24' wide. 3 doors sliding from jamb to jamb on two parallel tracks (No. 31 track). For 3 doors 8'2" by 8' by 1 3/4", for inside installation. For wall attachment. Also 2 No. 510 Locks and 1 No. 524-1 Cane Bolt.

Without Weatherstrip: 1 Set of Parallel Sliding Garage Door Equipment, without weatherstrip for opening 24' wide. For 3 parallel doors sliding from jamb to jamb on No. 31 Track. For 3 doors 8'2" by 8' by 1 3/4", for inside installation. For wall attachment. Also 2 No. 510 Locks and 1 No. 524-1 Cane Bolt.

Discount

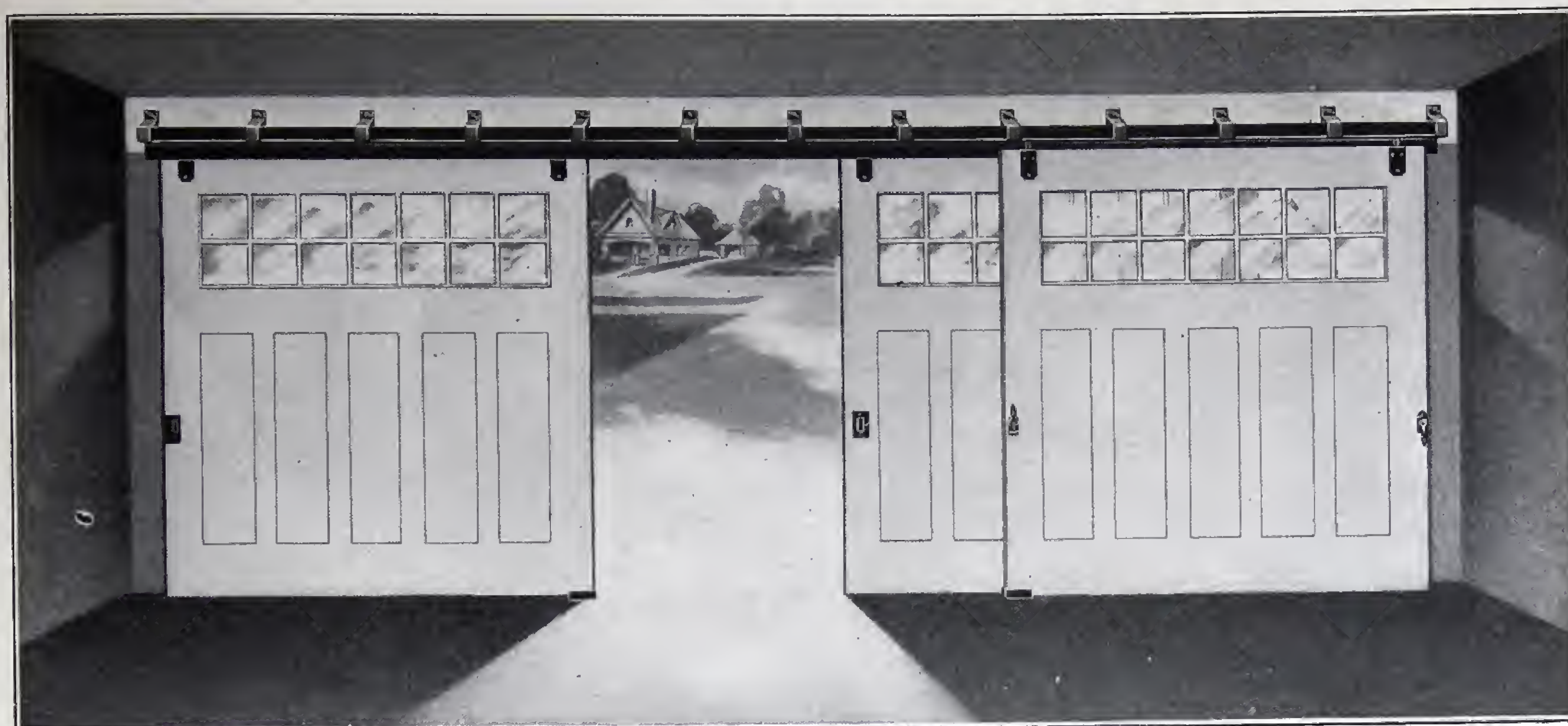
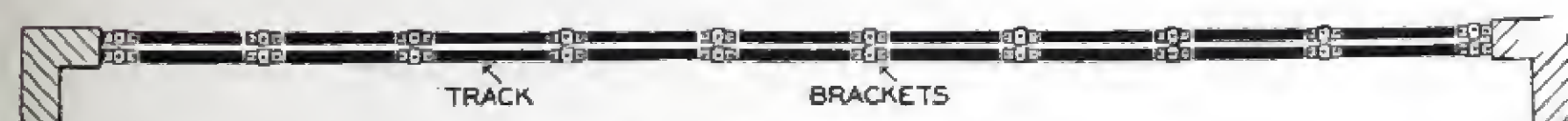


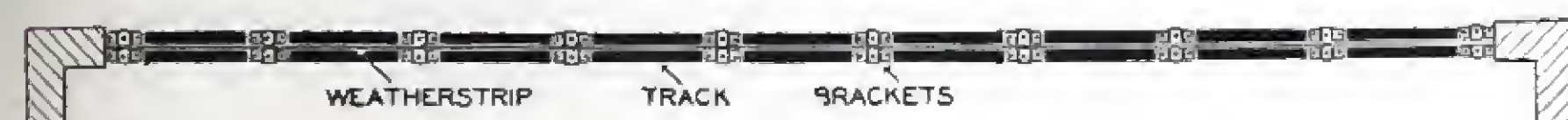
Fig. A-930—Interior View. Showing Center Door Partly Open.

Cross-Section Views

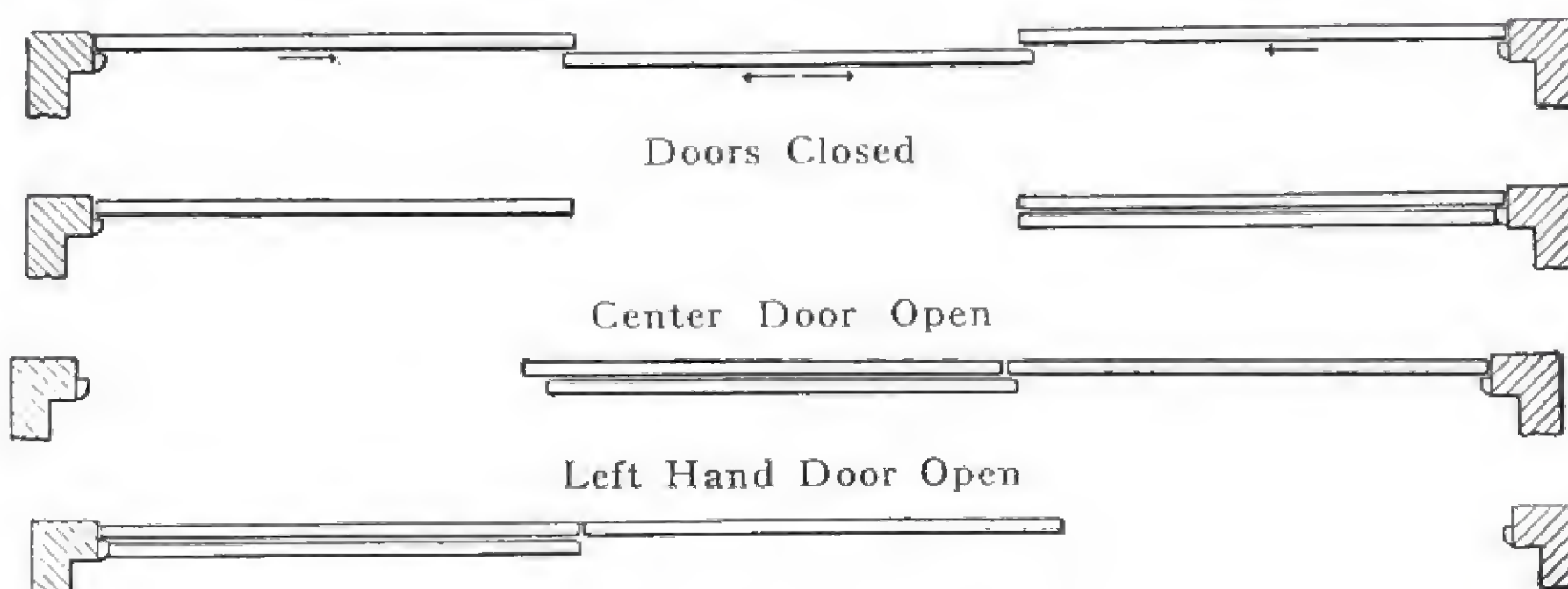
are identical with Fig. Nos. A-908 to A-911 as shown on page 89



Plan of Tracks Without Weatherstrip



Plan of Tracks With Weatherstrip



Right Hand Door Open

Fig. A-935—Floor Plans

List of Material for Sets on Opposite Page

DESCRIPTION	For No. 31 Track For Doors Weighing up to 400 lbs. each		For No. 32 Track For Doors Weighing up to 500 lbs. each		For No. 232 Track For Doors Weighing up to 600 lbs. each		For No. 33 Track For Doors Weighing up to 800 lbs. each	
	Installation		Installation		Installation		Installation	
	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Items required for either track less weatherstrip or track with weatherstrip sets:								
*3 Pr. Hangers, Ball Bearing.....	27 1/2 B	27 1/2 B	28 1/2 B	28 1/2 B	29 1/2 B	29 1/2 B	123 1/2 B	123 1/2 B
*3 Pr. Hangers, Roller Bearing.....	25	25	28 V	28 V	29 V	29 V	121	121
2 Floor End Door Guides (used with wall attachment track bracket sets only)...	272	.....	272	.....	272	.....	272	.....
8 Bumper Shoes (used with wall attachment track bracket sets only).....	435-72	.....	435-72	.....	435-72	.....	435-72	.....
†4 Flush Pulls (Omit 1 for each lock used)	70-1	70-1	70-1	70-1	70-1	70-1	70-1	70-1
4 Bow Handles (Omit 1 for each lock used)...	81-1	81-1	81-1	81-1	81-2	81-2	81-2	81-2
2 Parallel Door Floor Guides.....	172-1	172-1	172-1	172-1	172-1	172-1	172-1	172-1
Material required for track without weatherstrip sets only, in addition to Items listed above.								
Trolley Track, Amount required equals twice width of opening.....	31	31	32	32	232	232	33	33
†Brackets, Double Center, Wall Attachment.....	22x31	22x31	22x32	22x32	22x232	22x232	22x33	22x33
*2 Brackets, Double End, Wall Attachment.	23x31	23x31	23x32	23x32	23x232	23x232	23x33	23x33
†Brackets, Parallel Ear Overhead Center....	7x31	7x31	7x32	7x32	7x232	7x232	7x33	7x33
†4 Brackets, Parallel Ear Overhead, Right or Left End.....	8x31	8x31	8x32	8x32	8x232	8x232	8x33	8x33
Material required for track with weatherstrip sets only:								
§Two-Track, Bracket and Weatherstrip Assembly for Wall Attachment (Amount required equals width of opening).....	256	256	257	257	259	259	258	258
§Two-Track, Bracket and Weatherstrip Assembly for Overhead Attachment (Amount required equals width of opening)	356	356	357	357	359	359	358	358

Notes—* Other Ball Bearing Hangers or Roller Bearing Hangers may be used if desired. See page 96. † Center Brackets should be spaced on 2' centers. Wall Brackets not used on overhead installations, and vice versa. No. 7 Brackets are Single Brackets and twice the number is required as of No. 22 Brackets. ‡ On doors over 2" thick use the No. 70-2 size. § When this Weatherstrip Assembly is used no other track or brackets are required.

R-W

Parallel Sliding Garage Door Hardware

Three Doors Sliding from Jamb to Jamb on Three Parallel Tracks

(Diagrams on Next Page Show Installation Details)

List Price of Sets *With Weatherstrip*

Without Locks or Door Bolts

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with these sets, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case. For information concerning Door Locks and Door Bolts see data below entitled, "Door Locks and Door Bolts."

These sets contain all the hardware necessary to fully equip an opening of the size mentioned, including Hangers, Track, Bracket and Weatherstrip Assemblies; Floor Guides, Handles, etc., as enumerated in table on opposite page.	For Openings up to 24' Wide			For Openings Over 24' Wide Add to the 24' Set Prices the Following Amounts* for Each Additional Foot or Fraction thereof		
	List Price Per Set		Shipping Weight Lbs. Per Set	List Price Per Foot		Shipping Weight Lbs. Per Foot
	With Ball Bearing Hangers	With Roller Bearing Hangers		With Ball Bearing Hangers	With Roller Bearing Hangers	
Set using Three-Track Nos. 256 or 356 Track, Bracket and Weatherstrip Assembly (No. 31 size track).....	\$100.00	\$92.00	420	\$3.05	\$3.05	14 1/2
Set using Three-Track No. 257 or 357 Track, Bracket and Weatherstrip Assembly (No. 32 size track).....	125.00	117.00	450	4.35	4.35	15 1/2
Set using Three-Track Nos. 259 or 359 Track, Bracket and Weatherstrip Assembly (No. 232 size track).....	165.00	151.00	580	5.45	5.45	20 3/4
Set using Three-Track Nos. 258 or 358 Track, Bracket and Weatherstrip Assembly (No. 33 size track).....	196.00	184.00	680	6.40	6.40	23 1/2

Note—If track is to be attached to the wall Nos. 256, 257, 258 or 259 assembly should be specified. If track is to be attached to the ceiling Nos. 356, 357, 358 or 359 assembly should be specified.

List Price of Three-Track, Bracket and Weatherstrip Assemblies Only

For Wall Attachment

For Overhead Attachment

Description	Three-Track Assembly		Description	Three-Track Assembly	
	Price	Shpg. Wt. lbs.,		Price	Shpg. Wt., lbs.
No. 256 Track, No. 31 size, per ft.....	\$3.05	14 1/2	No. 356 Track, No. 31 size, per ft.....	\$3.05	12
No. 257 Track, No. 32 size, per ft.....	4.35	15 1/2	No. 357 Track, No. 32 size, per ft.....	4.35	13
No. 258 Track, No. 33 size, per ft.....	6.40	23 1/2	No. 358 Track, No. 33 size, per ft.....	6.40	22
No. 259 Track, No. 232 size, per ft.....	5.45	20 3/4	No. 359 Track, No. 232 size, per ft.....	5.45	19

Note—When ordering be sure to mention that Three-Track Assembly is desired, as we also make a Two-Track Assembly (See page 92).

List Price of Sets *Without Weatherstrip*

Without Locks or Door Bolts

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with these sets, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case. For information concerning Door Locks and Door Bolts see data below entitled, "Door Locks and Door Bolts."

These sets contain all the hardware necessary to fully equip an opening of the size mentioned, including Hangers, Track, Brackets, (no Weatherstrip), Floor Guides, Handles, etc., as enumerated in table on opposite page.	For Openings up to 24' Wide			For Openings Over 24' Wide Add to the 24' Set Prices the Following Amounts for Each Additional Foot or Fraction Thereof.		
	List Price Per Set		Shipping Weight Lbs. Per Set	List Price Per Foot		Shipping Weight Lbs. Per Foot
	With Ball Bearing Hangers	With Roller Bearing Hangers		With Ball Bearing Hangers	With Roller Bearing Hangers	
Set using Three Runs of No. 31 Track.....	\$67.00	\$59.00	510	\$1.60	\$1.60	7 1/4
Set using Three Runs of No. 32 Track.....	87.00	78.00	690	2.30	2.30	10 3/4
Set using Three Runs of No. 232 Track.....	104.50	94.00	855	3.00	3.00	12 3/4
Set using Three Runs of No. 33 Track.....	128.00	116.00	995	3.60	3.60	18 3/4

Door Locks and Door Bolts

(For Above Sets)

Owing to the various types and combinations of Locks and Door Bolts which may be used in connection with the above sets of hardware, we have not included them in the set prices, leaving it to you to choose the ones best suited for your particular case from the combinations here shown.

For locking doors mounted on tracks with wall brackets, 2 *No. 510 Locks and 1 No. 516 Door Bolt; or 1 *No. 510 Lock, 1 No. 516 Door Bolt and 1 No. 524 Cane Bolt.

For locking doors mounted on tracks with overhead brackets, 2 No. 525 Locks and 1 No. 516 Door Bolt; or 1 No. 525 Lock, 1 No. 516 Door Bolt and 1 No. 524 Cane Bolt.

All of the above locks are operated from inside and outside.

Note—* No. 525 Locks may be substituted, but jamb strips must be built out flush with face of door at both ends of doorway.

Directions for Ordering

State total width of opening, number of doors, and size of track desired. Width and height of each door; thickness of doors, whether for inside or outside installation, and that doors are to run on three tracks. Are they for wall or overhead attachment. Kind of Locks or Door Bolts desired. (These are not included in set prices.)

Example Orders for Complete Sets

With Weatherstrip: 1 Set No. 256 Parallel Sliding Garage Door Equipment for opening 24' wide. 3 doors sliding from jamb to jamb on three parallel tracks (No. 31 size track). For 3 doors 8'2" by 8' by 1 3/4", for inside installation. For Wall attachment. Also for 2 No. 570 Door Locks and 1 No. 516 Door Bolt.

Without Weatherstrip: 1 Set of Parallel Sliding Garage Door Equipment, without weatherstrip for opening 24' wide. For 3 parallel doors sliding from jamb to jamb on three runs of No. 31 Track. For 3 doors 8'2" by 8' by 1 3/4", for inside installation. For wall attachment. Also 2 No. 510 Door Locks and 1 No. 516 Door Bolt.

Discount

Parallel Garage Door Hardware (Continued)

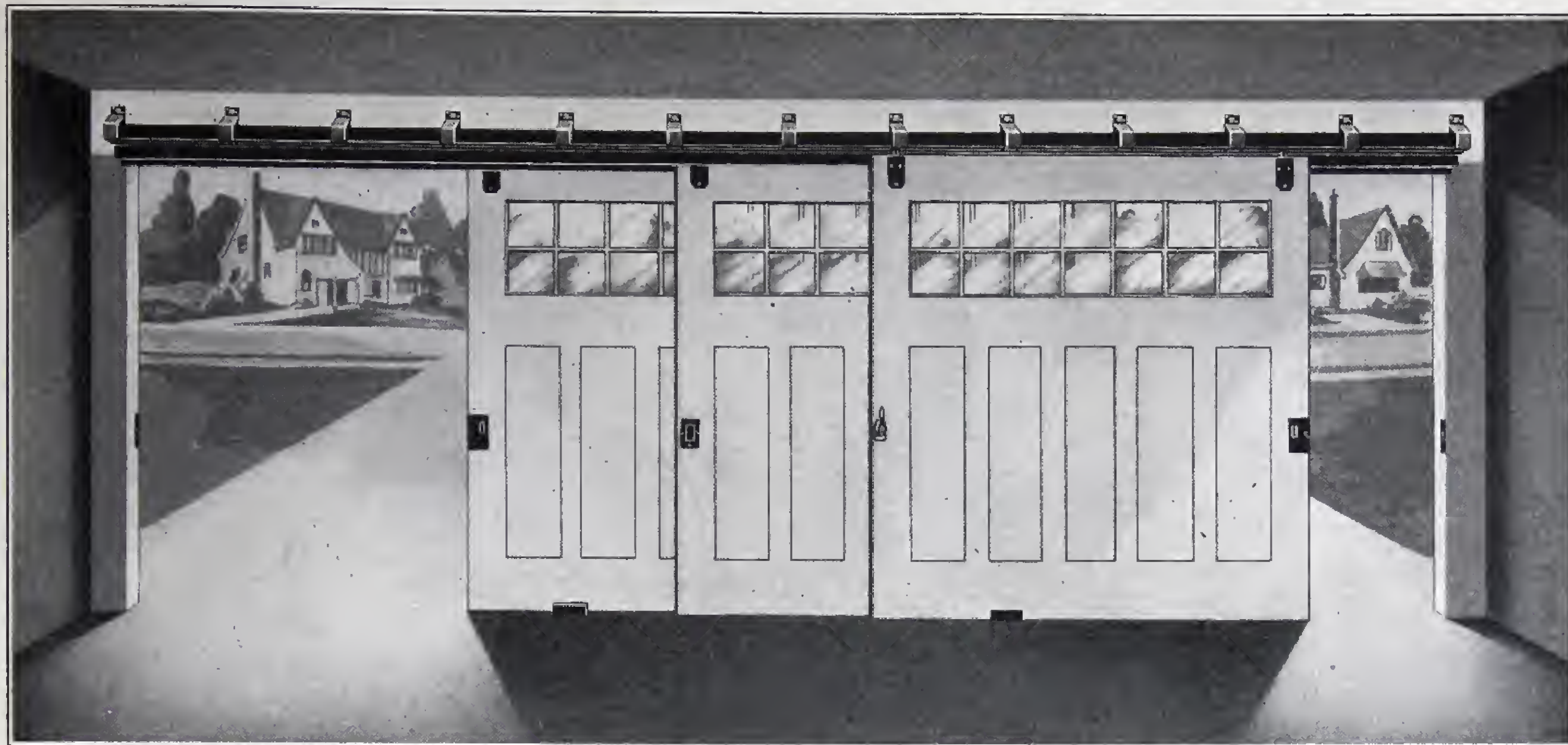


Fig. A-936—Interior View. Showing How the Two End Doors May Be Open at the Same Time.

Cross-Section Views

are similar to Fig. Nos. A-908 to A-911 (as shown on page 89) except that in this case 3 tracks are supported instead of two.



Plan of Tracks Without Weatherstrip



Plan of Tracks With Weatherstrip.

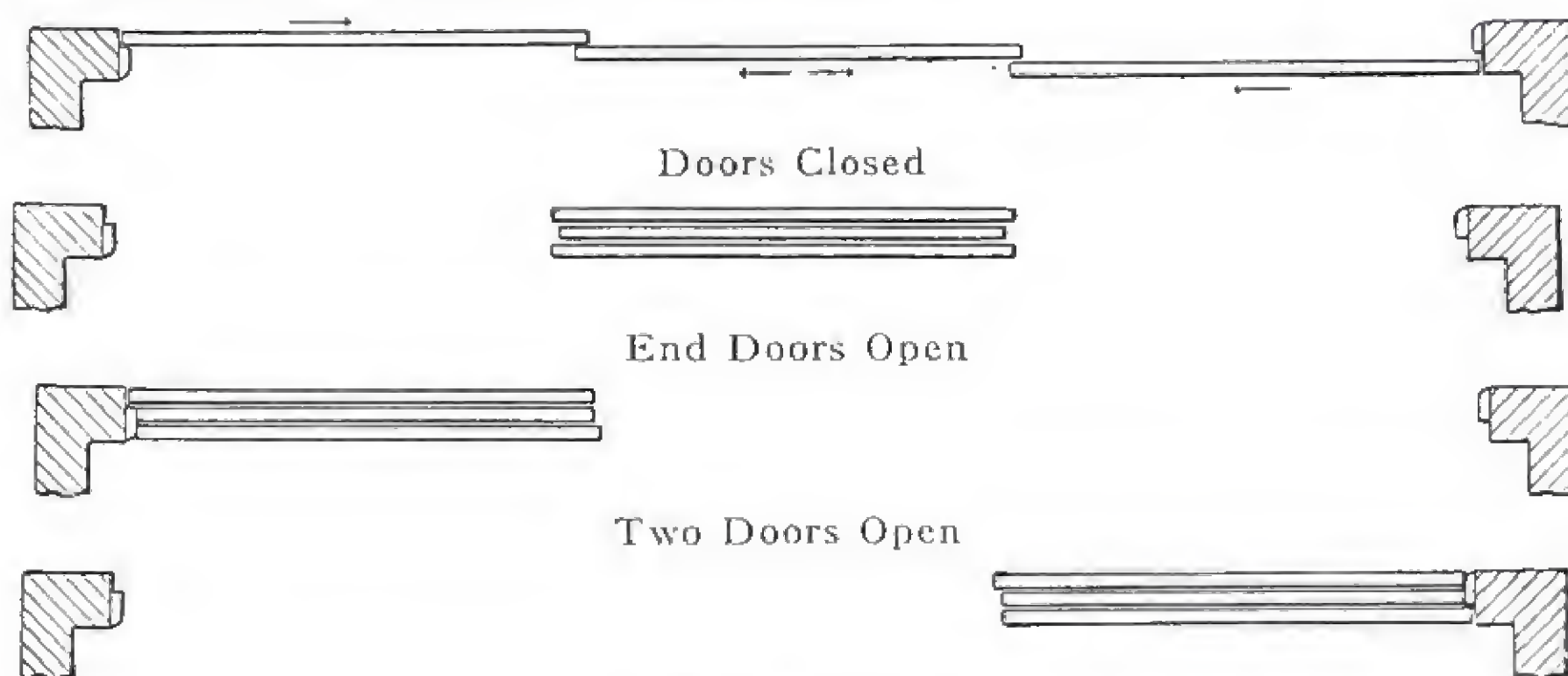


Fig. A-941—Floor Plans

List of Material for Sets on Opposite Page

DESCRIPTION	For No. 31 Track For Doors Weighing up to 400 lbs. each		For No. 32 Track For Doors Weighing up to 500 lbs. each		For No. 232 Track For Doors Weighing up to 600 lbs. each		For No. 33 Track For Doors Weighing up to 800 lbs. each	
	Installation		Installation		Installation		Installation	
	Inside	Outside	Inside	Outside	Inside	Outside	Inside	Outside
Items required for either track less weatherstrip or track with weatherstrip sets.								
*3 Pr. Hangers, Ball Bearing.....	27 1/2 B	27 1/2 B	28 1/2 B	28 1/2 B	29 1/2 B	29 1/2 B	123 1/2 B	123 1/2 B
*3 Pr. Hangers, Roller Bearing.....	25	25	28 V	28 V	29 V	29 V	121	121
2 Floor End Door Guides (For wall attachment track sets only).....	272		272		272		272	
6 Bumper Shoes (For wall attachment track sets only).....	435-72		435-72		535-72		435-72	
†3 Flush Pulls.....	70-1	70-1	70-1	70-1	70-1	70-1	70-1	70-1
2 Bow Handles (Omit 1 for each lock used)...	81-1	81-1	81-1	81-1	81-2	81-2	81-2	81-2
2 Parallel Door Floor Guides.....	172-2	172-2	172-2	172-2	172-2	172-2	172-2	172-2
Material required for track without weatherstrip sets only in addition to items listed above.								
Trolley Track, Amount required equals three times width of opening.....	31	31	32	32	232	232	33	33
**Brackets, Triple Center, Wall Attachment.	33x31	33x31	33x32	33x32	33x232	33x232	33x33	33x33
**2 Brackets, Triple End, Wall Attachment...	34x31	34x31	34x32	34x32	34x232	34x232	34x33	34x33
**Brackets, Parallel Ear Overhead Center...	7x31	7x31	7x32	7x32	7x232	7x232	7x33	7x33
**6 Brackets, Parallel Ear Overhead, Right or Left Hand.....	8x31	8x31	8x32	8x32	8x232	8x232	8x33	8x33
Material required for track with weatherstrip sets only.								
†Three-Track, Bracket and Weatherstrip Assembly for Wall Attachment. (Amount required equals width of opening).....	256	256	257	257	259	259	258	258
†Three-Track, Bracket and Weatherstrip Assembly for Overhead Attachment. (Amount required equals width of opening).....	356	356	357	357	359	359	358	358

Notes—* Other Ball Bearing Hangers or Roller Bearing Hangers may be used if desired. See page 96. **Center Brackets should be spaced on 2' centers. Wall Brackets not used on overhead installations, and vice versa. No. 7 Brackets are Single Brackets and three times the number are required as of No. 33 Brackets. † On doors over 2" thick use the No. 70-2 size. ‡ When this Weatherstrip Assembly is used no other track or brackets are required.

R-W

Parallel Sliding Door Hardware

With or Without Weatherstrip

CONTINUED

List Price and Specifications of Ball-Bearing Door Hangers for Sets Listed on Pages 87 to 97

Hangers, packed without track brackets (page 97)			Track Number	For doors weighing lbs.	Thick-ness of doors	Distance, top of doors to bottom of track. "B" see Figs. A-908 to A-911		Distance from bot-tom of track to first bolt hole. "I" see Figs. A-909-911	Distance from 1st bolt hole to 2nd bolt hole. "J" see Figs. A-909-911	Diameter of bracket bolt		Distance bottom of track to header. "M" see A-908-910	Minimum track centers. "N" see Figs. A-908 Without Weatherstrip	Minimum track centers. "N" see Fig. A-910 With Weatherstrip
Number	Per pair					Mini-mum	Maxi-mum			Side wall bracket "K" see A-909-911	Ceiling bracket "L" see A-908-910			
	List Price	Shipping Wt., lbs.												
20 1/2 B	\$3.75	6 1/2	31	300	1 3/4-2 1/4"	7/8"	2 3/8"	4 3/4"	2 3/4"	1/2"	1/2"	3 1/2"	2 1/8"	2 1/8"
27 1/2 B-1	5.40	9	31	400	1 3/4-2"	7/8"	2 3/8"	4 3/4"	2 3/4"	1/2"	1/2"	3 1/2"	2 1/8"	2 1/8"
27 1/2 B-2	5.40	9	31	400	2 1/4-2 3/4"	7/8"	2 3/8"	4 3/4"	2 3/4"	1/2"	1/2"	3 1/2"	2 1/8"	2 1/8"
28 1/2 B-1	6.65	11	32	500	1 3/4-2"	7/8"	2"	4 1/2"	3 1/4"	1/2"	1/2"	3 1/2"	2 1/2"	2 5/8"
28 1/2 B-2	6.65	11	32	500	2 1/4-2 3/4"	7/8"	2"	4 1/2"	3 1/4"	1/2"	1/2"	3 1/2"	2 1/2"	2 5/8"
29 1/2 B-1	7.65	14	232	600	1 3/4-2"	7/8"	1 3/4"	5 1/2"	3 1/2"	3/4"	5/8"	4 3/8"	2 7/8"	3"
29 1/2 B-2	7.65	14	232	600	2 1/4-2 3/4"	7/8"	1 3/4"	5 1/2"	3 1/2"	3/4"	5/8"	4 3/8"	2 7/8"	3"
123 1/2 B-1	10.35	25	33	800	1 3/4-2"	1 1/8"	3"	5 1/2"	3 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"
123 1/2 B-2	10.35	25	33	800	2 1/4-3"	1 1/8"	3"	5 1/2"	3 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"
150 1/2 B-1	10.65	25	33	1,000	1 3/4-2"	1 1/8"	3"	5 1/2"	3 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"
150 1/2 B-2	10.65	25	33	1,000	2 1/4-3"	1 1/8"	3"	5 1/2"	3 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"

List Price and Specifications of Roller-Bearing Door Hangers for Sets Listed on Pages 87 to 97

Hangers, packed without track brackets (page 97)			Track Number	For doors weighing lbs.	Thick-ness of doors	Distance, top of doors to bottom of track. "H" see Figs. A-908 to A-911		Distance from bot-tom of track to first bolt hole. "I" see Figs. A-909-911	Distance from 1st bolt hloe to 2nd bolt hole. "J" see Figs. A-909-911	Diameter of bracket bolt		Distance bottom of track to header. "M" see A-908-910	Minimum track centers. "N" see Fig. A-908 Without Weatherstrip	Minimum track centers. "N" see Figs. A-910 With Weatherstrip
Number	Per pair					Mini-mum	Maxi-mum			Side wall bracket "K" see A-909-911	Ceiling bracket "L" see A-908-910			
	List Price	Shipping Wt., lbs.												
20-2	\$3.40	8	31	300	1 3/4-2 1/2"	1 1/4"	2 1/2"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 1/8"	3 1/8"
25-1	3.75	11 1/2	31	400	1 3/4-2"	1 1/4"	2 1/2"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 1/8"	3 1/8"
25-2	3.75	11 1/2	31	400	2 1/4-2 3/4"	1 1/4"	2 1/2"	4 3/4"	2 3/4"	1 1/2"	1 1/2"	3 1/2"	2 1/8"	3 1/8"
28V-1	5.30	12 1/2	32	500	1 3/4-2"	1 5/8"	2 5/8"	4 1 1/2"	3 1/4"	1 1/2"	1 1/2"	3 1 1/2"	2 1/2"	2 5/8"
28V-2	5.30	12 1/2	32	500	2 1/4-2 3/4"	1 5/8"	2 5/8"	4 1 1/2"	3 1/4"	1 1/2"	1 1/2"	3 1 1/2"	2 1/2"	2 5/8"
29V-1	6.00	16	232	600	1 3/4-2"	1 3/4"	3 3/4"	5 1 1/2"	3 1/2"	3/4"	5/8"	4 3/8"	2 7/8"	3"
29V-2	6.00	16	232	600	2 1/4-2 3/4"	1 3/4"	3 3/4"	5 1 1/2"	3 1/2"	3/4"	5/8"	4 3/8"	2 7/8"	3"
121-1	8.45	25	33	800	1 3/4-2"	2 1/8"	3 3/4"	5 1 1/2"	3 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"
121-2	8.45	25	33	800	2 1/4-3"	2 1/8"	3 3/4"	5 1 1/2"	3 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"
150-1	8.70	25	33	1,000	1 3/4-2"	2 1/8"	3 3/4"	5 1 1/2"	3 1 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"
150-2	8.70	25	33	1,000	2 1/4-3"	2 1/8"	3 3/4"	5 1 1/2"	3 1/2"	3/4"	3/4"	4 1 1/2"	3 1/8"	3 3/8"

Detail of Hardware and List Price of Parts

DESCRIPTION	Light Weight Hdw. using No. 31 Size Track For Doors Weighing up to 400 lbs. each			Medium Weight Hdw. using No. 32 Size Track For Doors Weighing Between 400-500 lbs. each			Medium Weight Hdw. using No. 232 Size Track For Doors Weighing Between 500-800 lbs. each			Heavy Weight Hdw. using No. 33 Size Track For Doors Weighing Between 800-1000 lbs. each		
	Catalog Number	List Price	Shpg. Wt., lbs.	Catalog Number	List Price	Shpg. Wt., lbs.	Catalog Number	List Price	Shpg. Wt., lbs.	Catalog Number	List Price	Shpg. Wt., lbs.
Hangers, For Prices and Shipping Weights See Above Tables:												
Trolley Track (page 110), per foot.....	31	\$.30	1 3/8	32	\$.45	2 1/2	232	\$.55	2 3/4	33	\$.70	4
2-Track, Bracket and Weatherstrip Assembly for Wall Attachment, per foot.....	256	1.95	8 1/4	257	2.50	9 1/2	259	3.10	12 3/4	258	3.70	14 3/4
2-Track, Bracket and Weatherstrip Assembly for Overhead Attachment, per foot.....	356	1.95	7	357	2.50	8	359	3.10	11	358	3.70	13
3-Track, Bracket and Weatherstrip Assembly for Wall Attachment, per foot.....	256	3.05	14 1/2	257	4.35	15 1/2	259	5.45	20 3/4	258	6.40	23 1/2
3-Track, Bracket and Weatherstrip Assembly for Overhead Attachment, per foot.....	356	3.05	12	357	4.35	13	359	5.45	19	358	6.40	22
Brackets, Single Center, Wall Attachment, each.....	1x31	.30	3/4	1x32	.45	1 1/4	1x232	.55	2	1x33	.75	2
Brackets, Single End, Wall Attachment, each.....	2x31	.30	1	2x32	.45	1 1/2	2x232	.55	2 1/4	2x33	.75	2 1/4
Brackets, Parallel Ear, Overhead Center, each.....	7x31	.30	1	7x32	.45	1 1/4	7x232	.55	2 1/2	7x33	.75	3 1/2
Brackets, Parallel Ear, Overhead Rt. or Lft. End, each.....	8x31	.30	1	8x32	.45	1 1/2	8x232	.55	2	8x33	.75	3 1/4
Brackets, Overhead Center, Stop, each.....	10x31	.85	2 1/4	10x32	1.15	3 1/4	10x232	1.35	5 1/2	10x33	1.65	6
Brackets, Wall Center Stop (Number 13 style less bracket proper nearest the wall), each.....	13x31-S	1.40	6	13x32-S	1.90	7 1/2	13x232	2.10	9 1/2	13x33	2.60	12 3/4
Brackets, Single Center, Wall Attachment (Number 22 style less bracket proper nearest the wall), each.....	22x31-S	.60	3	22x32-S	.75	4 1/2	22x232-S	1.00	6	22x33-S	1.10	7
Brackets, Single End, Wall Attachment (Number 23 style less bracket proper nearest the wall), each.....	23x31-S	.60	3	23x32-S	.75	4 1/2	23x232-S	1.00	6	23x33-S	1.10	7
Brackets, Double Center, Wall Attachment, each.....	22x31	.85	3	22x32	1.15	4 1/2	22x232	1.50	6	22x33	1.65	6 1/2
Brackets, Double End, Wall Attachment, each.....	23x31	.85	3	23x32	1.15	5	23x232	1.50	7	23x33	1.65	8
Brackets, Triple Center, Wall Attachment, each.....	33x31	1.35	4 1/2	33x32	1.65	6 1/2	33x232	2.15	9	33x33	2.50	10 1/2
Brackets, Triple End, Wall Attachment, each.....	34x31	1.35	5 1/2	34x32	1.65	6 1/2	34x232	2.15	9 1/2	34x33	2.50	13 1/2
Floor End Door Guides, each.....	272	.85	2 1/2	272	.85	2 1/2	272	.85	2 1/2	272	.85	2 1/2
Bumper Shoes, each.....	435-72	.14	1/4	435-72	.14	1/4	435-72	.14	1/4	435-72	.14	1/4
Flush Pulls, for doors less than 2" thick, each.....	70-1	.35	1	70-1	.35	1	70-1	.35	1	70-1	.35	1
Flush Pulls, for doors over 2" thick, each.....	70-2	.40	1 1/4	70-2	.40	1 1/4	70-2	.40	1 1/4	70-2	.40	1 1/4
Bow Handles, each.....	81-1	.35	1 1/2	81-2	.55	1	81-2	.55	1	81-2	.55	1
Parallel Door Floor Guide, for 2-door installation, each.....	172-1	2.15	5	172-1	2.15	5	172-1	2.15	5	172-1	2.15	5
Parallel Door Floor Guide, for 3-door installation, each.....	172-2	3.55	7	172-2	3.55	7	172-2	3.55	7	172-2	3.55	7

Discount

R-W Parallel Sliding Door Hardware

CONTINUED



150, 150 1/2 B



27 1/2 B, 29 1/2 B
28 1/2 B, 123 1/2 B



25, 28 V, 29 V, 121



20-2, 20 1/2 B



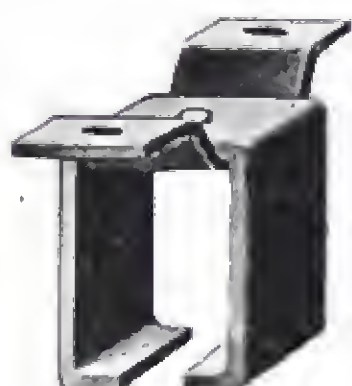
End Elevation of Parallel
Doors in Double Tracks
Without Weatherstrip



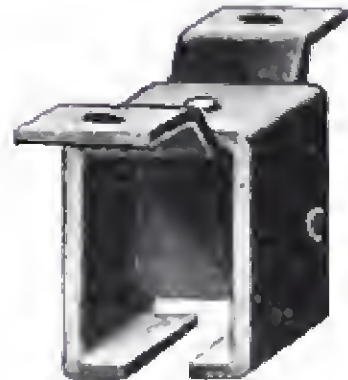
1



2



7



8



10



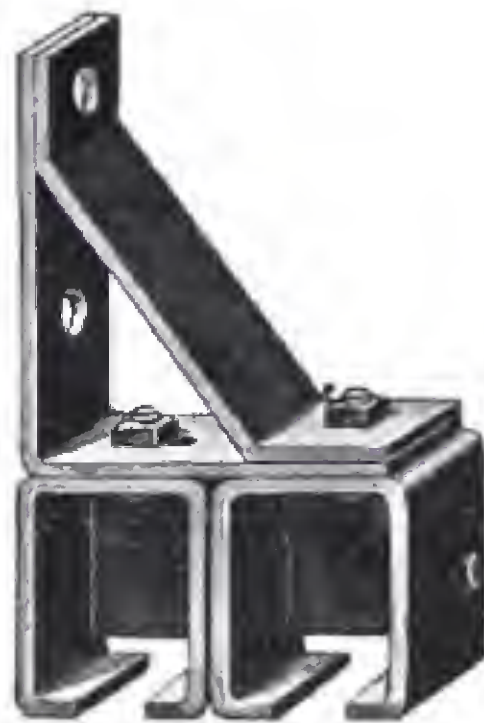
No. 70
Flush Pull



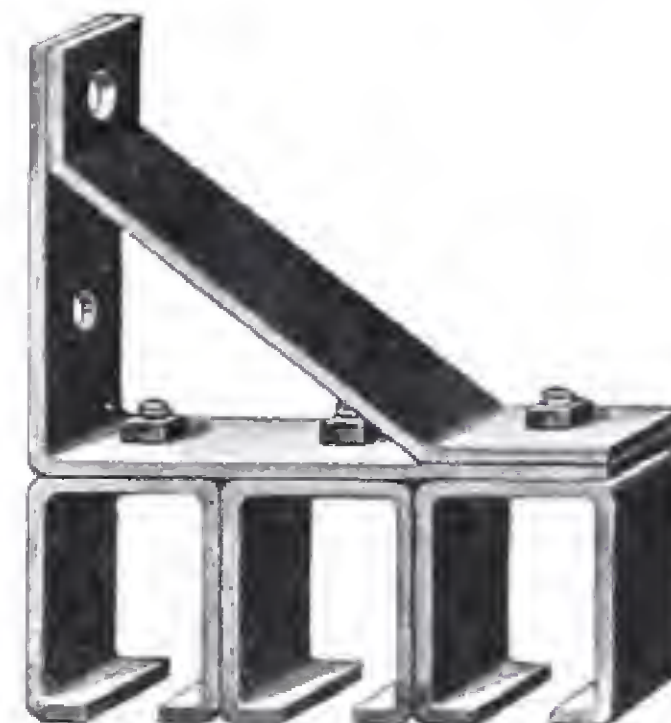
13



22



23



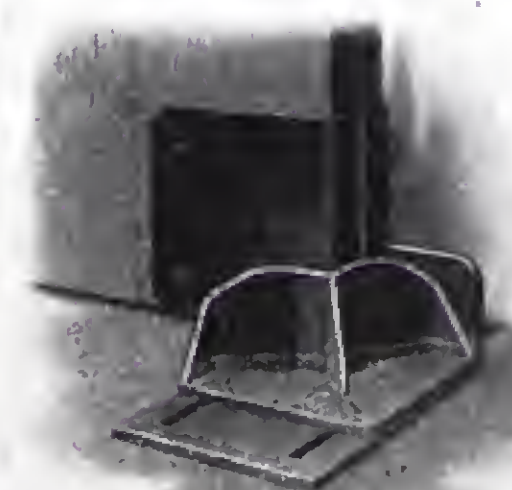
33



3 Track, Bracket and Weatherstrip Assembly
for Overhead Attachment



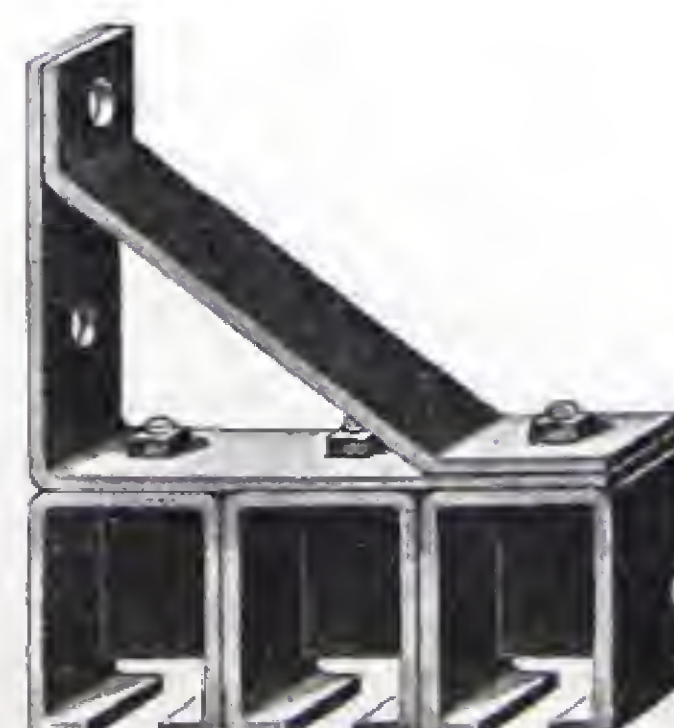
Bow Handle No. 81



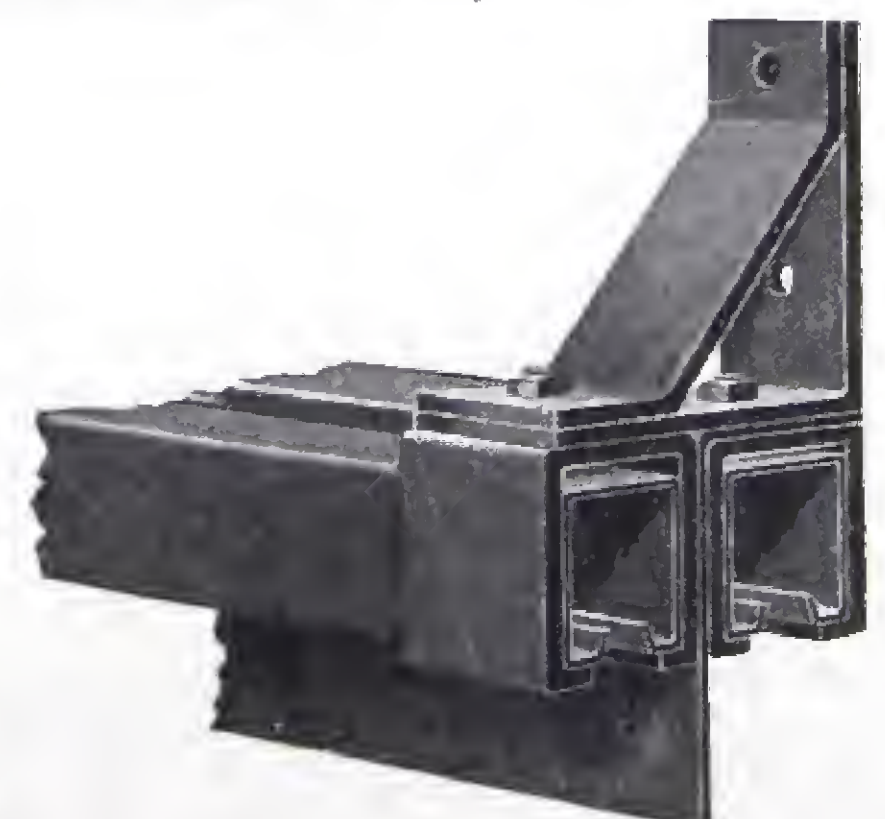
Floor End Stop No. 272
Bumper Shoes, No. 435-72



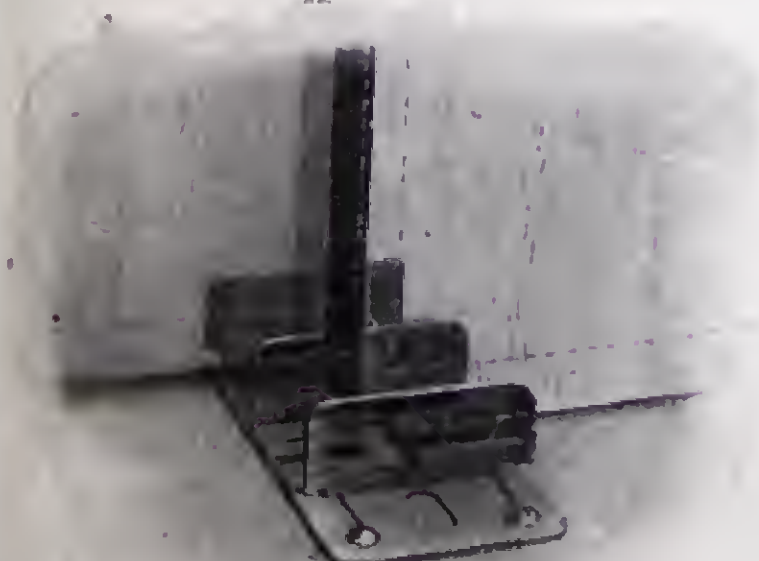
Straight Track



34



2 Track, Bracket and Weatherstrip
Assembly for Wall Attachment



No. 172 Floor Guide

"Parallel-Ideal" Garage Door Hardware

R-W No. 456 With Weatherstrip

R-W No. 457 Without Weatherstrip

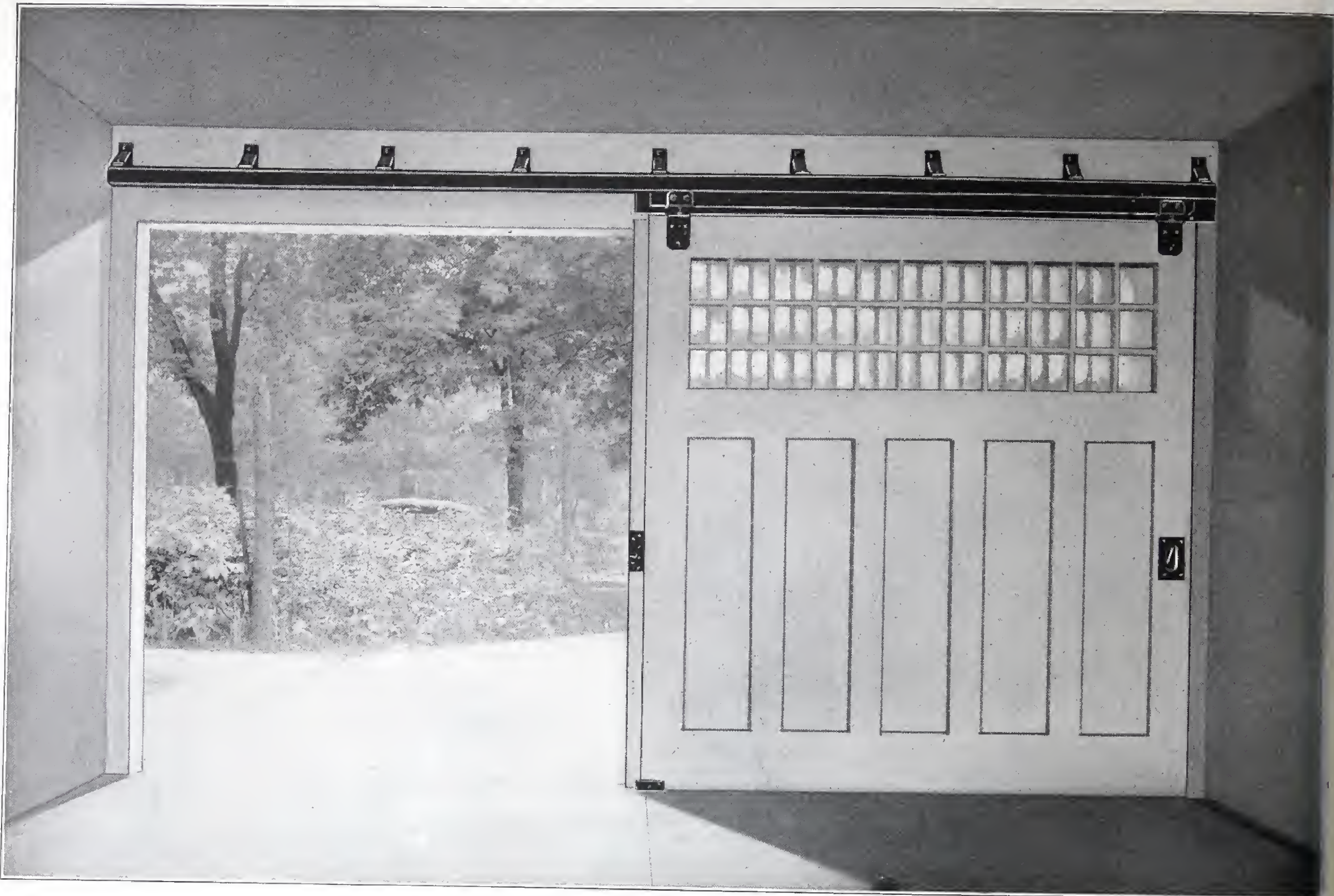


Fig. A-953—Illustration Shows a Two Car Garage. Doorway has two "Parallel-Ideal" equipped sliding doors

"Parallel-Ideal" Garage Door Hardware is a particularly high class equipment in which the "Ideal" Ball-Bearing track and hanger assembly supports parallel doors, as shown on this page, the other hardware being the same as used in the regular R-W Parallel Door sets shown on pages 87 to 97.

The "Ideal" track and hanger assembly embodies, because of its scientific construction, a maximum of perfect principles. The door hangs from a wide rider-bar rolling over steel balls, which in

turn roll over a carefully milled track groove. Friction is eliminated and at the same time the door travels at twice the speed of the bearings. A ball retainer keeps the steel balls always properly spaced.

This "Ideal" ball-bearing design provides a hanger which operates with exceptional smoothness and ease, and the combination of "Ideal" track with the parallel door arrangement produces in "Parallel-Ideal" hardware, an equipment that is perfection itself.

Floor Plans Showing Possible Door Arrangements

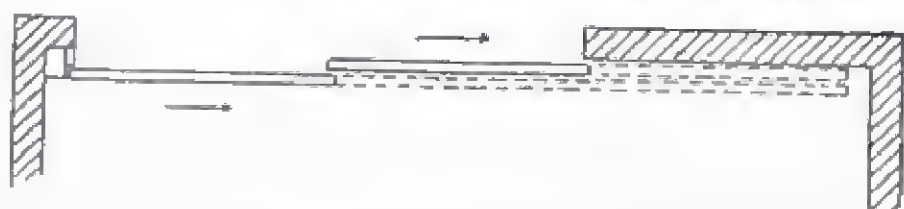


Fig. A-954



Fig. A-955



Fig. A-956

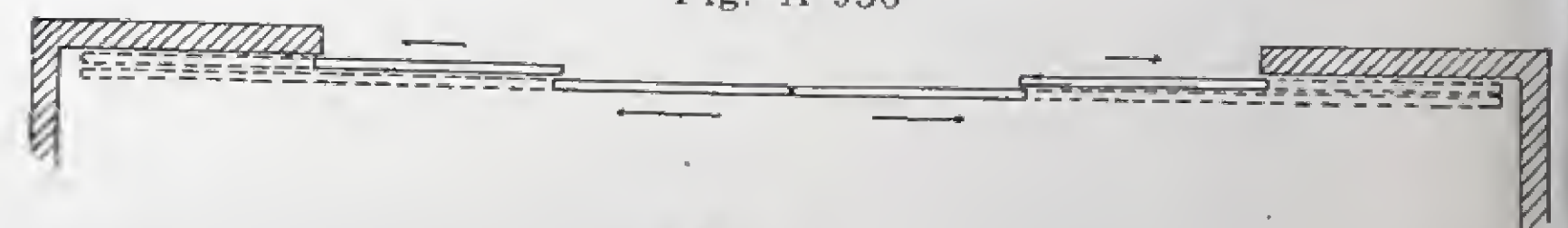


Fig. A-957



Fig. A-958

"Parallel-Ideal" Garage Door Hardware

CONTINUED

Figure A-953, which illustrates "Parallel-Ideal" Equipment applied in accordance with plan A-955 (page 98), and figure A-959 which shows a cross-section of "Ideal" track, give a clear idea of the construction and operation of this ball-bearing device. The track is a rectangular shaped tube made of very heavy gauge steel drawn to form two parallel runways for steel balls upon which the hanger rolls.

If wicket entrance door is wanted, see page 132 for details and prices of hardware.

From the suggested hardware sets given below, "Parallel-Ideal" equipments for inside or outside installation of parallel sliding doors can be easily selected to suit various doorway conditions as follows:

2 Parallel doors sliding on two tracks to wall space on one side of doorway. (See Fig. A-954, page 98.)

2 Parallel doors sliding from jamb to jamb on two tracks. (See Fig. A-955, page 98.) This type of equipment furnished with weatherstrip if required, as set forth in table below.

2 Parallel doors on two tracks with front wall space in center of doorway. (See Fig. A-956, page 98.)

4 Parallel doors on two tracks sliding to wall space on both sides of the doorway. (See Fig. A-957, page 98.)

2 Parallel doors sliding from jamb to jamb on two tracks, one inside and one outside. (See Fig. A-958, page 98.)

Headroom Required

Distance between top of door and top of track bracket is 11 inches.

"Parallel-Ideal" Hanger, Track and Bracket Assembly

Plan	Size of Opening	Using Equipment Number	List Price	Add for each additional foot or fraction of opening	Maximum width of opening	Shipping Wt., lbs.	Add pounds for each additional foot of opening
Fig. A-954	up to 8'	457 (without weatherstrip)	\$39.70	\$8.75	13'	108	13 1/2
Fig. A-955	up to 16'	457 (without weatherstrip)	61.00	5.15	20'	144	9
Fig. A-955	up to 16'	456 (with weatherstrip)	70.00	5.70	20'	176	11
Fig. A-956	up to 8'	457 (without weatherstrip)	76.70	11.10	10' ea.	216	9
Fig. A-957	up to 8'	457 (without weatherstrip)	59.00	5.50	20'	108	13 1/2
Fig. A-958	*up to 8'	727 (without weatherstrip)	55.00	9.00	10'	144	18

*With one set R-W No. 727 equipment for each opening.

Directions for Ordering—State total width of opening. Number of doors, width and height of each door; thickness of doors, whether for inside or outside installation. Are they for side wall or overhead attachment. Kind of locking bolts desired. State items of hardware wanted.

Example Order—1 opening 16 feet wide, 2 doors each 8 feet 2 inches wide, 8 feet high, 1 3/4 inches thick for inside installations, plan Fig. A-955, for side wall attachment; with Weatherstrip No. 456; 1 No. 516 Door Bolt and 1 No. 525 Lock. 1 No. 172-1 Parallel Door Floor Guide, 2 No. 272 End Door Guides, 4 No. 435-72 Bumper Shoes, 1 No. 70-1 Pull, 1 No. 81-1 Bow Handle, 16 feet 456 track.

List of Parts

DESCRIPTION	No. 457 Equipment, Without Weatherstrip. For doors up to 500 lbs. each		No. 456 Equipment, With Weatherstrip. For doors up to 500 lbs. each	
	Installation		Installation	
	Inside	Outside	Inside	Outside
Stay Rollers (plan Fig. A-958 only, listed page 124).....	54	54	54	54
Adjustable Door Binder (plan Fig. A-958 only, listed page 131).....	272	89	272	89
*Floor End Door Guide (listed page 126).....	372	.....	372	.....
*Door Guide (plan Figs. A-954, A-957, listed page 126).....	435-72	435-72	435-72	435-72
*Bumper Shoes, used with Nos. 172-271-272, to protect corner of doors (listed page 126).....	70-1	70-1	70-1	70-1
Flush Pulls (listed page 125), for doors 1 3/4"-2" thick.....	70-2	70-2	70-2	70-2
Flush Pulls (listed page 125), for doors 2 1/4"-2 3/4" thick.....	81-1	81-1	81-1	81-1
Bow Handles (listed page 125), for doors 1 3/4"-2" thick.....	81-2	81-2	81-2	81-2
Bow Handles (listed page 125), for doors 2 1/4"-2 3/4" thick.....	525 or 510	525 or 510	525 or 510	525 or 510
Locks (listed page 116).....	524-1 or 516	524-1 or 516	524-1 or 516	524-1 or 516
Bolts (listed pages 121, 122).....	171	171	171	171
Center Floor Stop (plan Fig. A-957 only, listed page 126).....	172-1	172-1	172-1	172-1
*Parallel Door Floor Guide, for 2-track installation (listed page 126).....	736 or 737	736 or 737	736 or 737	736 or 737
Floor Guide and Weatherstrip (listed page 127) (To be used in lieu of door guides, above marked with star).....				

*Not required in installations where No. 736 or 737 Floor Guide and Weatherstrip is used.



Fig. A-959—Cross-section of "Parallel-Ideal" ball-bearing track, showing relative position of track, bearings and rider bar.



Fig. A-960—"Parallel-Ideal" hanger track and bracket assembly with weatherstrip.

R-W

Flush Door Hardware

For Two or Four Flush Parallel Doors with Compound Curved Tracks. Made in Four Sizes of Track

TWO exceptional advantages in "DooR-Way" installation are peculiar to R-W Flush Door Hardware; smooth door surface and economy of wall space.

The doors in closed position stand in one plane, edge to edge, presenting a smooth door surface clear across the doorway. In open position, two doors stand side by side along the wall back of the door jamb, needing only sufficient wall space to accommodate the width of one of the doors.

These important features of smooth door surface in closed position and economy of wall space in open position, are obtained by running one of the doors on a trolley track having a compound curve which sidetracks this door, as it opens, to a position beside its companion door (Figure A-962). Two doors may be installed to operate toward either side of the doorway.

Similar installations operating from both sides of the doorway may be arranged in accordance with plans, Figs. A-963 and A-964.

- From the suggested hardware sets and list prices given, hardware equipments for flush door installations may be easily selected as follows:
- 2 flush doors sliding to one side of the doorway (Fig. A-962).
 - 2 pairs of flush doors sliding toward both sides of the doorway (Fig. A-963).
 - 2 doors sliding back of center wall between two doorways (Fig. A-963).

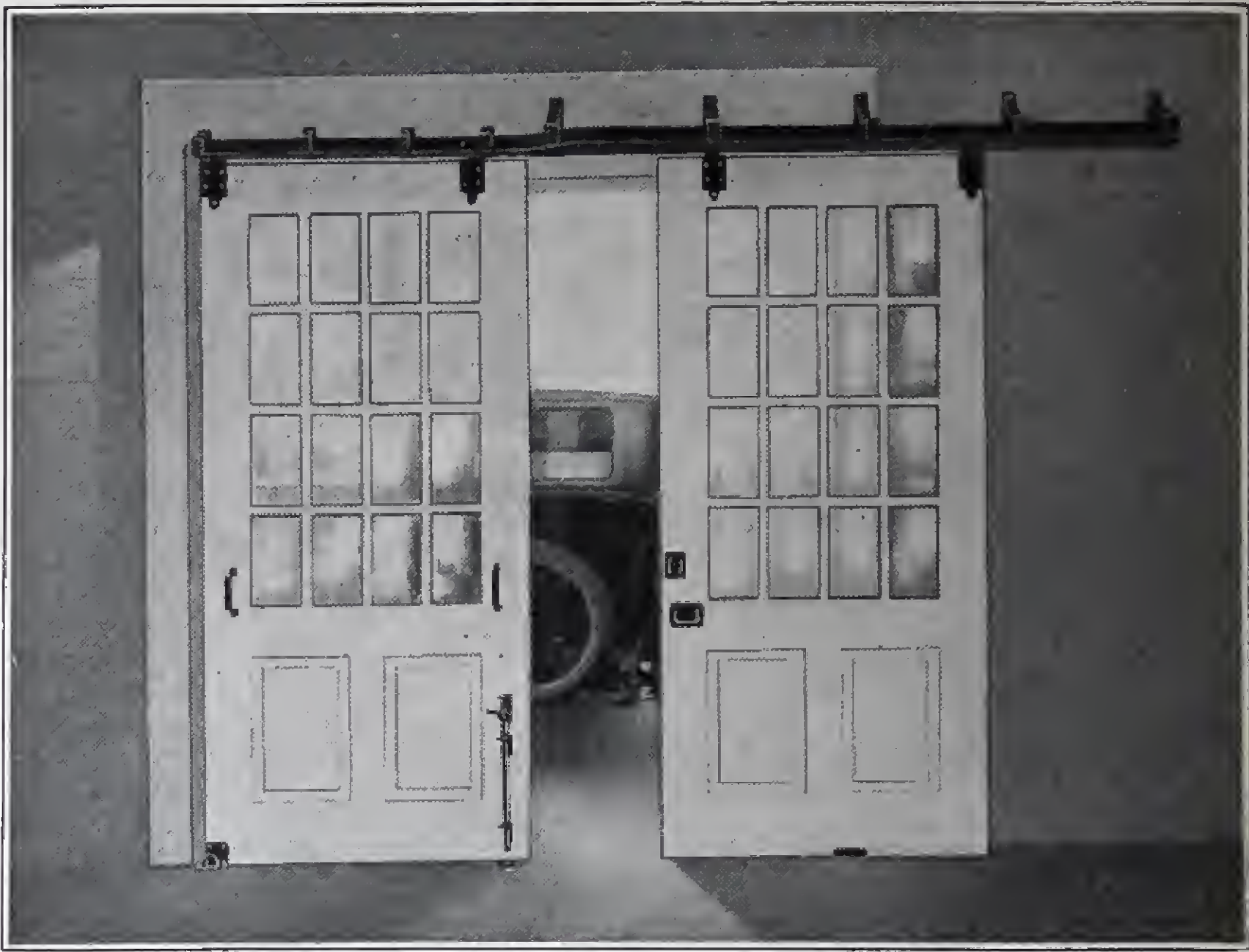


Fig. A-961—Interior View, Single Car Garage

Headroom Required

Distance between top of door and top of track bracket.

For No. 31 Track	10"
For No. 32 Track	11"
For No. 232 Track	11 5/8"
For No. 33 Track	12 1/2"

Hardware List for Doors Weighing Up to 1,000 Pounds Each

DESCRIPTION	No. 31 track Doors weighing up to 400 lbs. each		No. 32 track Doors weighing up to 500 lbs. each		No. 232 track Doors weighing up to 600 lbs. each		No. 33 track			
	Doors weighing up to 800 lbs. each		Doors weighing up to 1000 lbs. each							
	Doors 1 3/4"-2" thick	Doors 2 1/4"-2 3/4" thick	Doors 1 3/4"-2" thick	Doors 2 1/4"-2 3/4" thick	Doors 1 3/4"-2" thick	Doors 2 1/4"-2 3/4" thick	Doors 1 3/4"-2" thick	Doors 2 1/4"-2 3/4" thick	Doors 1 3/4"-2" thick	Doors 2 1/4"-2 3/4" thick
K. J. Ball Bearing Hanger (listed page 101). For use on compound curved track	27 1/2 B-1 K. J.	27 1/2 B-2 K. J.	28 1/2 B-1 K. J.	28 1/2 B-2 K. J.	29 1/2 B-1 K. J.	29 1/2 B-2 K. J.	123 1/2 B-1 K. J.	123 1/2 B-2 K. J.	150 1/2 B-1 K. J.	150 1/2 B-2 K. J.
Ball Bearing Hanger. For use on straight track Center Track Brackets, (listed p. 107). For single track side wall attachment	27 1/2 B-1	27 1/2 B-2	28 1/2 B-1	28 1/2 B-2	29 1/2 B-1	29 1/2 B-2	123 1/2 B-1	123 1/2 B-2	150 1/2 B-1	150 1/2 B-2
End Track Brackets (listed page 107). For single track side wall attachment	1x31	1x31	1x32	1x32	1x232	1x232	1x33	1x33	1x33	1x33
Parallel Ear Ceiling Center Stop Bracket, (listed page 107)	2x31	2x31	2x32	2x32	2x232	2x232	2x33	2x33	2x33	2x33
Side Center Stop Bracket (listed page 107)	10x31	10x31	10x32	10x32	10x232	10x232	10x33	10x33	10x33	10x33
Parallel Ear Ceiling Center Bracket (listed page 107). For single and double track at- tachment	12x31	12x31	12x32	12x32	12x232	12x232	12x33	12x33	12x33	12x33
Parallel Ear Ceiling Right or Left End Bracket (listed page 107). For single and double track attachment	7x31	7x31	7x32	7x32	7x232	7x232	7x33	7x33	7x33	7x33
Side Double Center Track Brackets (listed page 107)	8x31	8x31	8x32	8x32	8x232	8x232	8x33	8x33	8x33	8x33
Side Double End Brackets (listed page 107)	22x31	22x31	22x32	22x32	22x232	22x232	22x33	22x33	22x33	22x33
Floor End Door Guide (listed page 126)	23x31	23x31	23x32	23x32	23x232	23x232	23x33	23x33	23x33	23x33
Floor Guide (listed page 126)	272	272	272	272	272	272	272	272	272	272
Flush Pull (listed page 125) (to be used when 525 is omitted)	372	372	372	372	372	372	372	372	372	372
Bow Handles (listed page 125)	70-1	70-2	70-1	70-2	70-1	70-2	70-1	70-2	70-1	70-2
Drop Handles (listed page 125) (to be used when 525 is omitted)	81-1	81-1	81-1	81-1	81-2	81-2	81-2	81-2	81-2	81-2
*No. 1 Compound Curve (Right or Left Hand, Curve shown in Plan Fig. A-962 is Right Hand)	170	170	170	170	170	170	170	170	170	170
Locks (listed page 116)	No. 1 CC x31	No. 1 CC x31	No. 1 CC x32	No. 1 CC x32	No. 1 CC x232	No. 1 CC x232	No. 1 CC x33	No. 1 CC x33	No. 1 CC x33	No. 1 CC x33
Bolts (listed pages 121, 122)	525 or 510 524-1 or 616	525 or 510 524-1 or 616	525 or 510 524-1 or 616	525 or 510 524-1 or 616	525 or 510 524-2 or 616	525 or 510 524-2 or 616	525 or 510 524-2 or 616	525 or 510 524-2 or 616	525 or 510 524-2 or 616	525 or 510 524-2 or 616

*Compound Curve is 15 1/4 inches long but it is preferable to send us floor plan so we can join compound curved track to straight track, eliminating the joint at the end of the curve.

Discount

R-W
Flush Door Hardware
CONTINUED



No. 1—Compound Curve



No. 372—Floor Guide



Straight Track
Nos. 31, 32, 232, 33



Fig. A-962



Fig. A-963

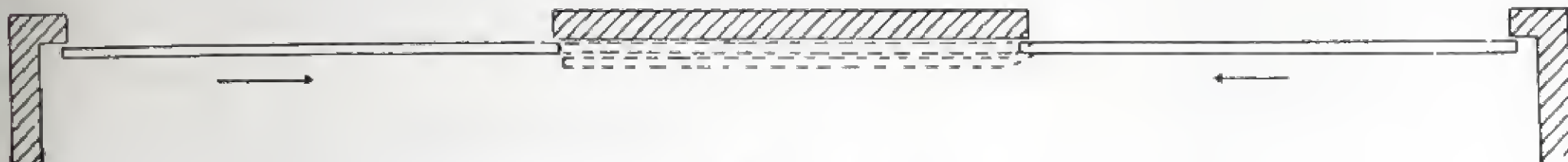
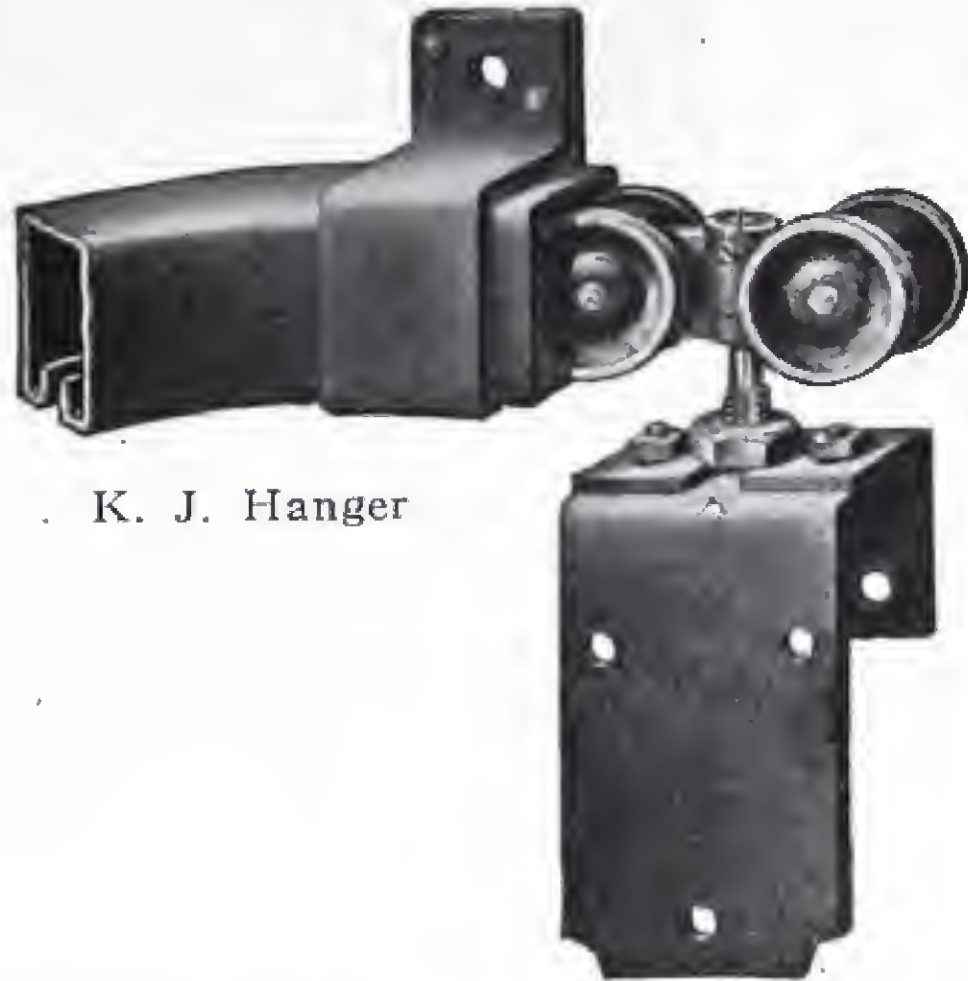


Fig. A-964

Floor Plans of Flush Parallel Doors with Compound Curved Tracks



K. J. Hanger

List Price and Specifications of Ball-Bearing Hangers for Sets Listed on Opposite Page

Knuckle Jointed Hangers for use on compound curved track. Packed without brackets		Regular Ball Bearing Hangers for use on straight track Packed without brackets			For Track Number	Track, per foot		For Doors Weighing	Thick- ness of Doors	Distance from bottom of track to center of bolt hole in single side wall bracket	Distance from bottom of track to first bolt hole in double bracket	Distance from first bolt hole to second bolt hole in double bracket	Diam- eter of Bracket Bolt	Distance, top of doors to bottom of track	
Number	List Price, per pair	Number	List Price	Per pair Wgt. lbs. K. J. & Rigid Hangers		List Price	Shpg. Weight, lbs.							Min- imum	Max- imum
27 1/2 B-1 K. J.	\$ 7.85	27 1/2 B-1	\$5.40	9	31	.30	1.6	400	1 3/4-2"	3 3/4"	4 3/4"	2 3/4"	1 1/2"	7/8"	2 3/8"
27 1/2 B-2 K. J.	7.85	27 1/2 B-2	5.40	9	31	.30	1.6	400	2 1/4-2 3/4"	3 3/4"	4 3/4"	2 3/4"	1 1/2"	7/8"	2 3/8"
28 1/2 B-1 K. J.	10.00	28 1/2 B-1	6.65	11	32	.45	2	500	1 3/4-2"	4 1/4"	4 13/16"	3 1/4"	1 1/2"	7/8"	2"
28 1/2 B-2 K. J.	10.00	28 1/2 B-2	6.65	11	32	.45	2	500	2 1/4-2 3/4"	4 1/4"	4 13/16"	3 1/4"	1 1/2"	7/8"	2"
29 1/2 B-1 K. J.	11.00	29 1/2 B-1	7.65	14	232	.55	2.8	600	1 3/4-2"	4 13/16"	5 1/16"	3 1/2"	5/8"	7/8"	1 3/4"
29 1/2 B-2 K. J.	11.00	29 1/2 B-2	7.65	14	232	.55	2.8	600	2 1/4-2 3/4"	4 13/16"	5 1/16"	3 1/2"	5/8"	7/8"	1 3/4"
123 1/2 B-1 K. J.	13.65	123 1/2 B-1	10.35	25	33	.70	3.1	800	1 3/4-2"	5"	5 13/16"	3 1/2"	3/4"	1 1/2"	2 5/8"
123 1/2 B-2 K. J.	13.65	123 1/2 B-2	10.35	25	33	.70	3.1	800	2 1/4-3"	5"	5 13/16"	3 1/2"	3/4"	1 1/2"	2 5/8"
150 1/2 B-1 K. J.	14.00	150 1/2 B-1	10.65	25	33	.70	3.1	1000	1 3/4-2"	5"	5 13/16"	3 1/2"	3/4"	1 1/2"	2 5/8"
150 1/2 B-2 K. J.	14.00	150 1/2 B-2	10.65	25	33	.70	3.1	1000	2 1/4-3"	5"	5 13/16"	3 1/2"	3/4"	1 1/2"	2 5/8"

List Price of Compound Curves

	For No. 31 track	For No. 32 track	For No. 232 track	For No. 33 track
No. 1 Compound Curve, 1'3 1/4" long. each. . .	\$7.00	\$7.50	\$8.00	\$9.00

Locking Bolts for Flush Door Equipments

Plan, Fig. A-962—1 No. 525 Lock to lock one door from both inside and outside, and 1 No. 524 Bolt to lock one door from the inside only.

Plan, Fig. A-963—2 No. 525 Locks to lock doors from both inside and outside, and 2 No. 524 Bolts to lock doors from the inside only.

Plan, Fig. A-964—(a) 1 No. 525 Lock or 1 No. 510 Lock to lock one door from both inside and outside, and 1 No. 524 Bolt to lock one door from the inside only.

(b) 2 No. 525 Locks to lock doors from inside and outside, or 2 No. 510 Locks to lock doors from inside and outside.

(c) 1 No. 525 or No. 510 Lock to lock one door from the inside and outside and 1 No. 616 Bolt to lock one door from the inside only.

Directions for Ordering

State—Total width of opening. Number of doors, width and height of each door; thickness of doors. Refer to plan as given above and send sketch showing whether right or left hand doors. Illustration Fig. A-961 shows right hand doors. State items of hardware wanted.

Example Order—1 opening 16 feet wide. 2 flush doors 8 feet 2 inches wide, 8 feet high, 1 3/4 inches thick, sliding to one side of doorway Fig. A-962 (Doors Right Hand). 1 No. 2x31 Bracket, 3 No. 1x31 Brackets, 1 No. 23x31 Bracket, 8 No. 22x31 Brackets, 1 No. 272 Floor End Door Guide, 1 No. 372 Door Guide, 1 No. 81-1 Bow Handle, 1 No. 1 c. c. x 31 Right Hand Compound Curve, 1 No. 525 Lock, 1 No. 524-1 Cane Bolt, 1 pair No. 27 1/2 B-1 K. J. Hangers, 1 pair No. 27 1/2 B-1 Hangers.

Note—If wicket entrance door is wanted, see page 132 for details and prices of hardware.

Discount.....

LOCKS AND BOLTS

Number	Price	Shipping Wt., lbs.
524-1 Bolt, each. . . .	\$0.90	3
524-2 Bolt, each. . . .	1.20	4
616 Bolt, each.	2.85	3 1/2
510 Lock, each.	3.75	6
525 Lock, each.	3.75	4



Fig. A-965—Exterior View

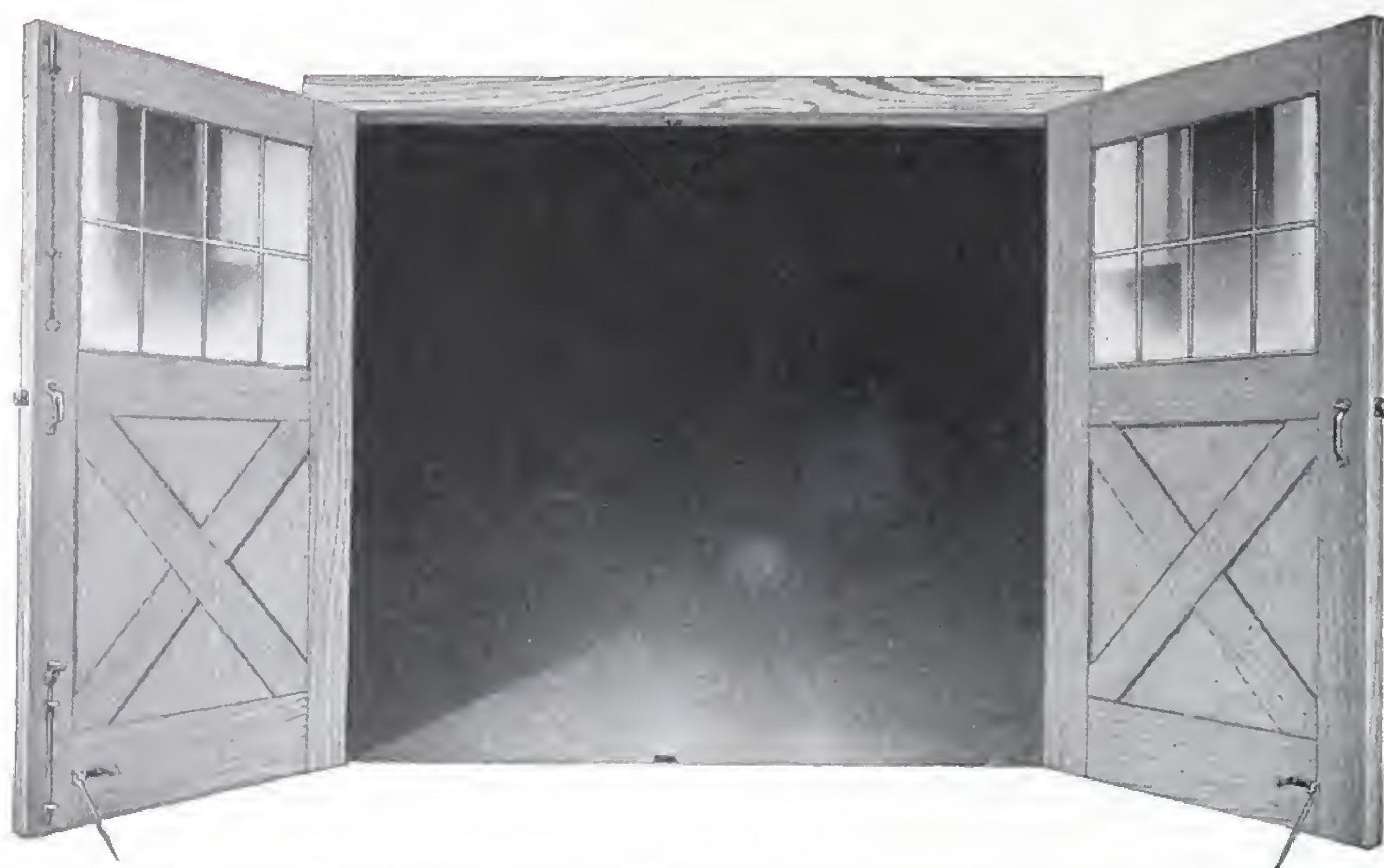


Fig. A-966—Exterior View. Note how the No. 99 Door Dogs hold the Doors Open

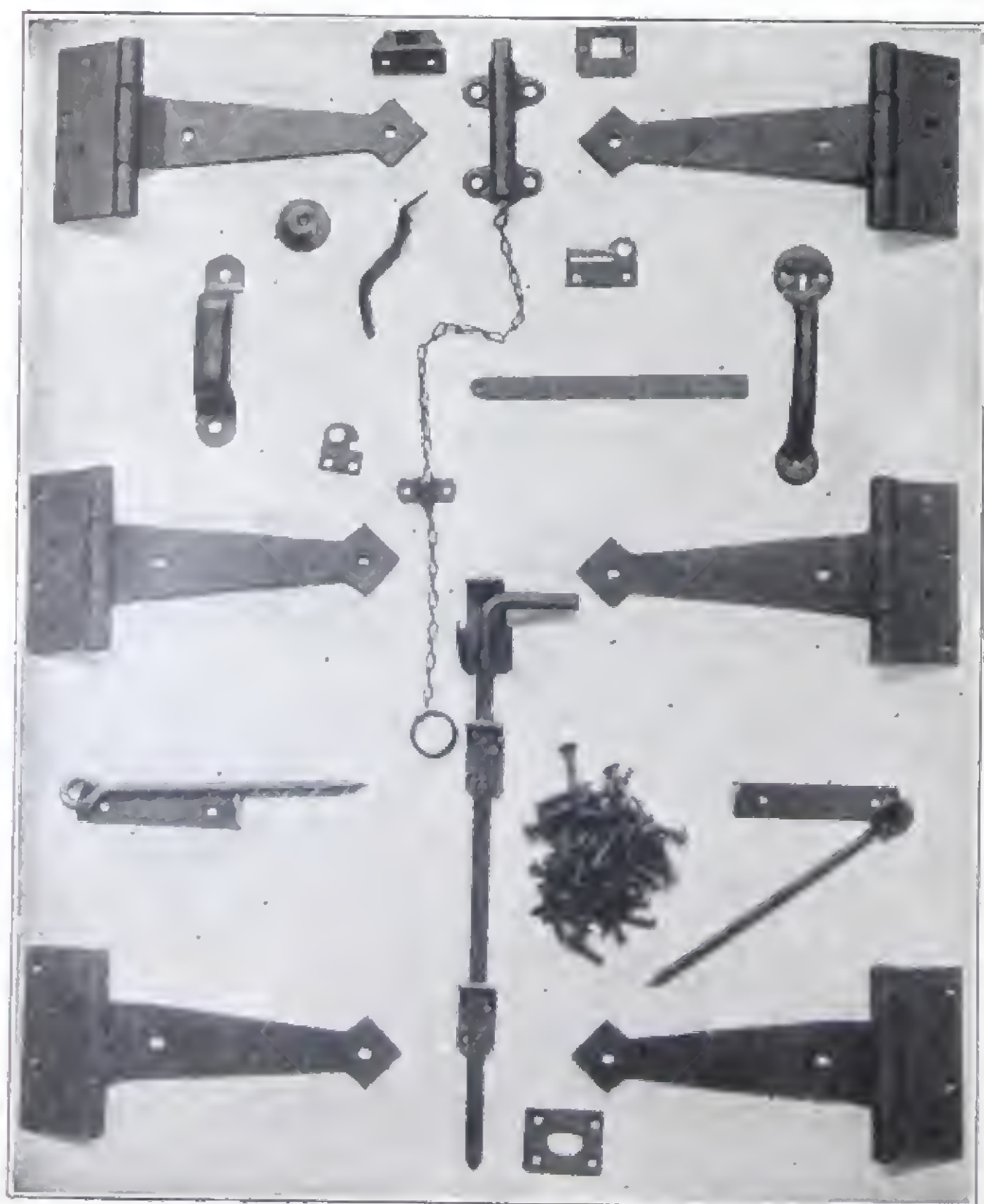


Fig. A-967—Illustration Showing No. 534 Parts

R-W No. 534 Garage Swing Door Hardware

With 10-Inch Heavy Mortise Pintel Hinges

All the hardware in this set is R-W standard goods and built to give satisfactory service.

The Hinges should not be confused with the common T Hinges furnished with other sets, as they are a high grade 10" Mortise Pintel; steel anti-friction hinge.

The No. 514 Spring Top Bolt and No. 524 Bottom Cane Bolt will hold the door firmly when closed, and the latch furnished affords a handle as well as a plate for attaching padlock.

One No. 99 Door Dog (See page 123) is furnished for each door. These Dogs will positively hold the doors open at any desired position and prevents the wind from banging them around. Prevents accidents to fenders and head lights.

This set of hardware comes packed complete with all bolts and screws necessary for attaching, in strong box, and consists of the following:

- 1 No. 514-1 Spring Top Bolt
- 1 No. 524-1 Bottom Cane Bolt
- 1 No. 71-1 Bow Handle
- 1 No. 534 Latch
- 1 Pair of No. 99 Door Dogs
- 3 Pairs No. 1036-10" Hinges
- 1 Package Screws and Bolts
- List Price, No. 534, complete set...\$13.00

Discount.....

Note—If ordinary extra heavy reversed pad Tee hinges are desired instead of the No. 1036 type, order set No. 334.

List Price, No. 334, complete set...\$7.00

Discount.....

Note
No Lock is included
in this Set
of Hardware



R-W No. 634 Garage Swing Door Hardware

With 18-Inch Heavy Mortise Pintel Hinges and
Heavy Grip Handle Latch

Each item in this set of hardware for
swing doors is quality hardware.

These hinges are heavy enough for large
doors and are of the mortise pintel, anti-
friction type.

The No. 350 Latch has two extra heavy
grip handles, and Latch Thumb Lift. A
heavy bow handle is furnished for the other
door; also No. 514 Top Spring Bolt and
No. 524 Bottom Cane Bolt.

Two Lock Plates are furnished. One
No. 99 Door Dog (see page 123) is included
for each door which will positively hold the
doors open at any desired position, and
prevent the wind from banging them
around. They prevent accidents to fenders
and head lights.

This set of hardware comes packed
complete with all bolts and screws neces-
sary for erection, and consists of the fol-
lowing:

- 1 No. 514-1 Top Spring Bolt
 - 1 No. 524-1 Bottom Cane Bolt
 - 1 No. 81-1 Bow Handle
 - 1 No. 350 Latch
 - 1 Pair No. 99 Door Dogs
 - 2 No. 436 Lock Plates
 - 2 Pair No. 1036-18" Hinges
 - 1 Pair No. 1036-10" Hinges
 - 1 Package Screws and Bolts
- List Price, No 634 complete set....\$18.25

Discount.....



Fig. A-967—Exterior View

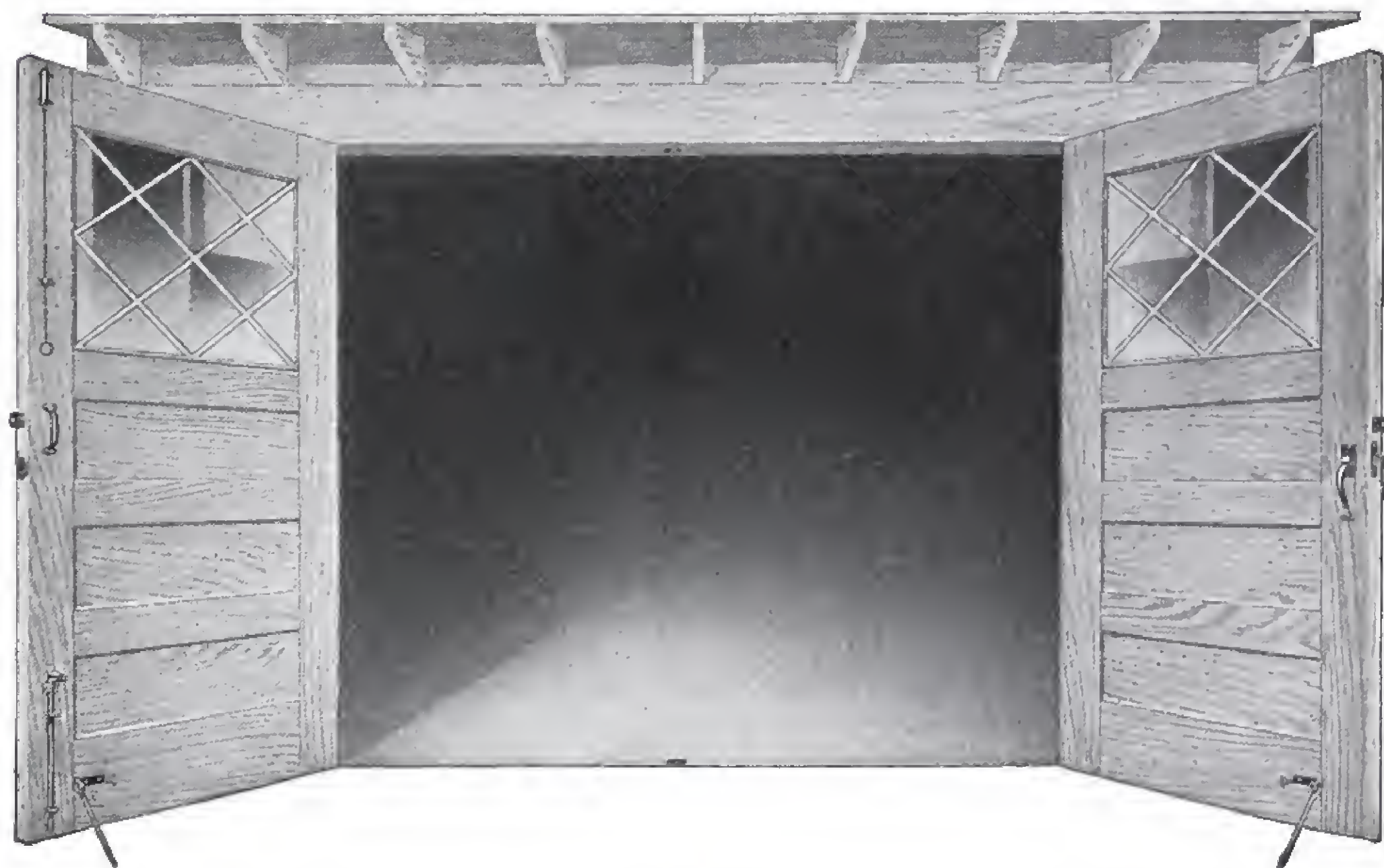


Fig. A-968—Exterior View. Note how the No. 99 Door Dogs Hold the Doors Open

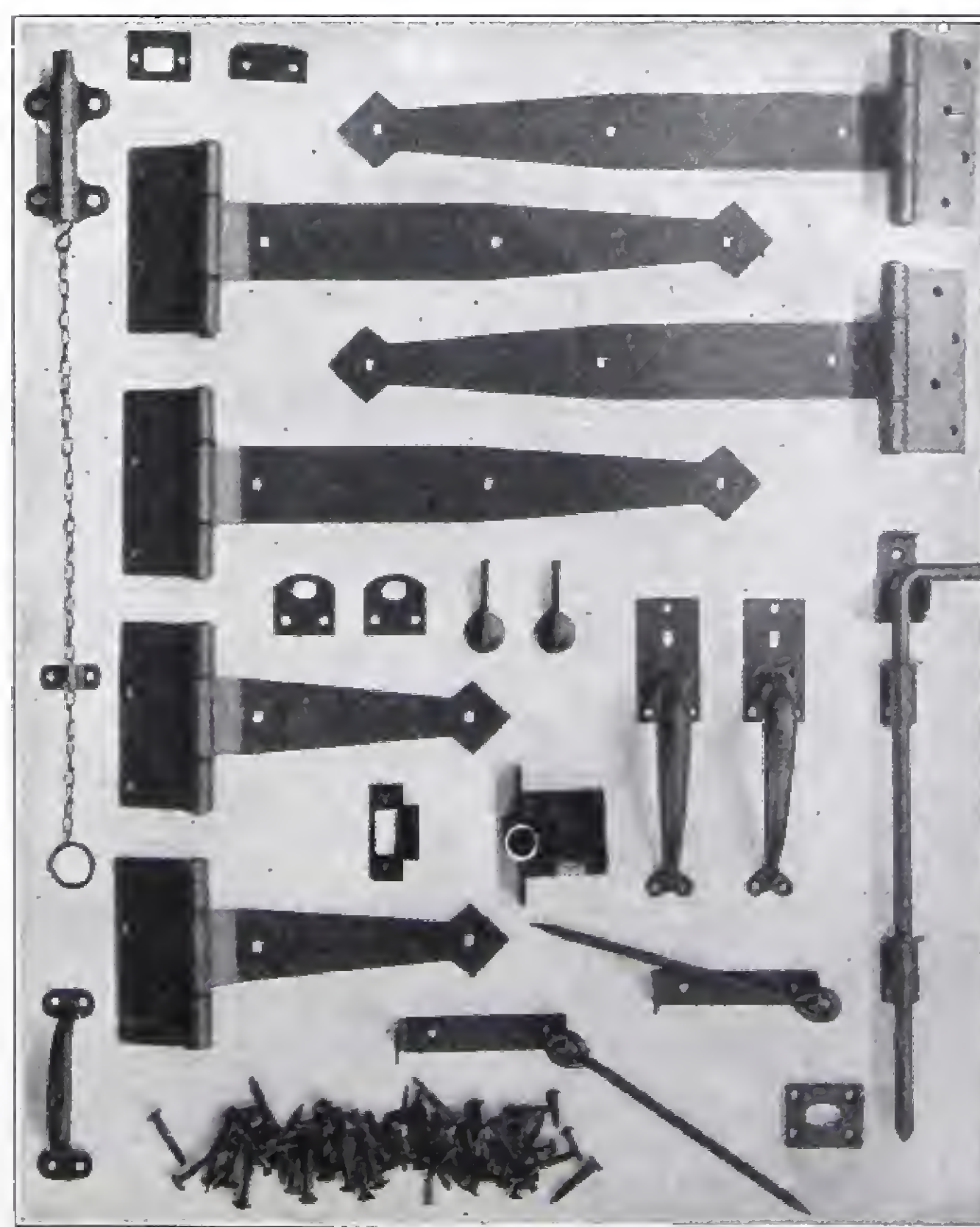


Fig. A-969—Illustration Showing No. 634 Parts

R-W No. 1100

Stewart Electric Door Opener and Closer

Illustrated Operating No. 1035 R-W Sliding-Folding Garage Door Outfit

Patented

Approved by the National Board of Underwriters

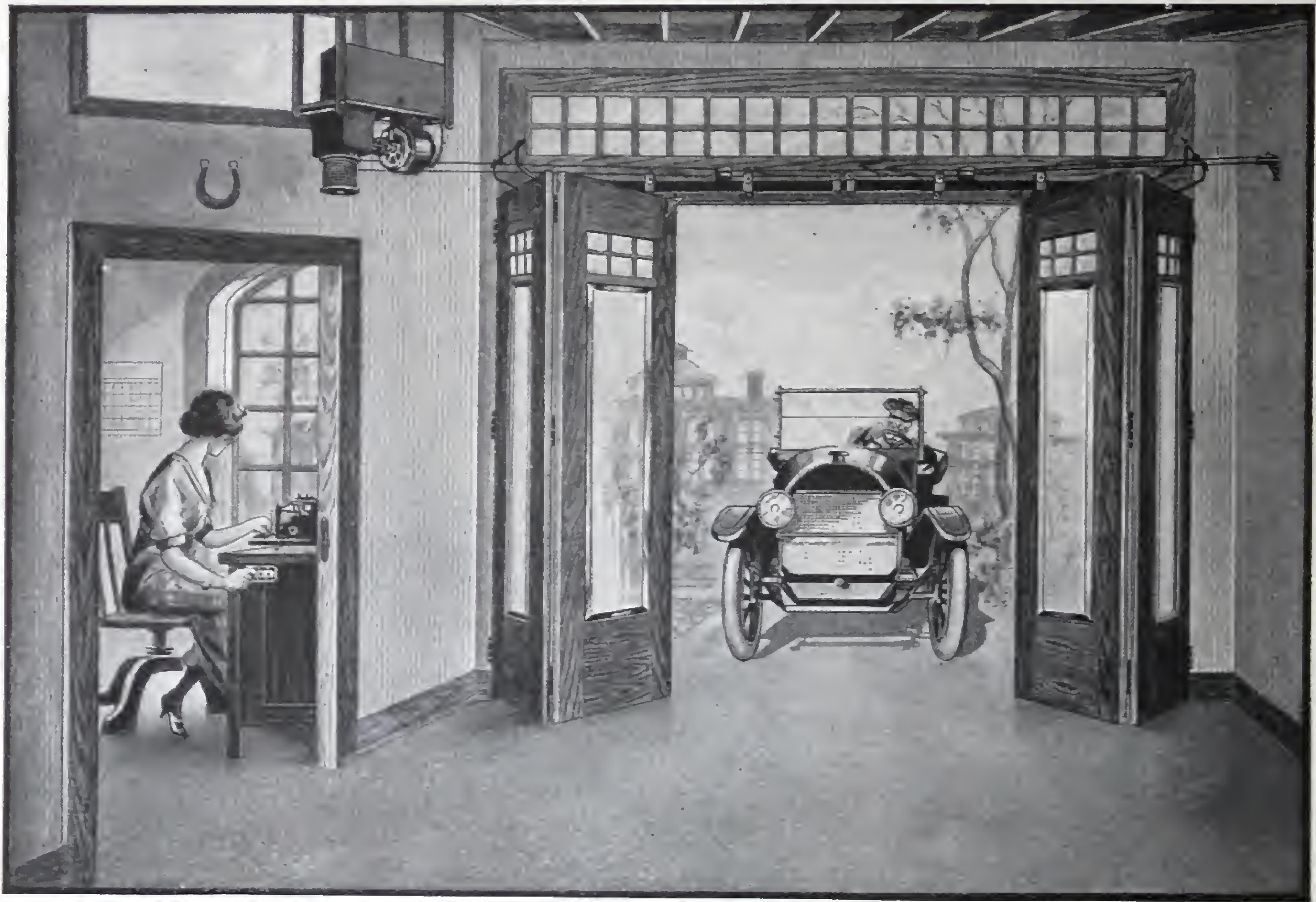


Fig. A-970—Instant Service is Assured Patrons of a Garage Equipped as Above

This device will save time and labor expense in any building where the doors must be opened and closed a number of times a day. In public garages this device can be operated by the stenographer or office clerk without interfering with their duties and avoid any possibility of keeping patron waiting.

The only mechanical door opener and closer on the market with which the complete opening or closing movement need not be completed to reverse.

The R-W Electric Door Opener and Closer consists of a driving unit, relay, limit switches, push button controllers, pulleys, sprockets, attachments to doors and the necessary driving cables or chains.

The Driving Unit consists of a special wound reversing motor, reduction gears operating in a grease tight case, releasing clutch and the winding drum for cable or sprocket for chain. The motors are rated as $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$ H.P. and are wound to give a high starting torque. The rotor shafts of the motors and the worm shaft of the reducing gears are mounted on ball bearings. The motors are furnished for 110 Volt, 60 Cycle, Single Phase; A. C.; 220 Volt, 60 Cycle, Single Phase A. C.; 110 Volt D. C. or 220 Volt

D. C. The relay consists of two solenoids made to correspond with current and voltage of motor, properly wired to control the current for the opening and closing operation of the door. The relay is enclosed in a steel protected box. The limit switches automatically shut off the current when the doors reach the maximum open or closed position. Three sets of push buttons are regularly furnished with each operator. Each set has three buttons, one to control the opening movement, one to control the closing movement and the third to stop the doors in any position. The control buttons can be placed at any point in the building. Will save money and heat, eliminate waste time and give patrons prompt service. It is all above the door level and does not occupy any valuable space. It is furnished complete and can be installed by any electrician.

Can be arranged to operate almost any kind of a door. With No. 1035 R-W Sliding Folding-Garage Door Outfit as shown above, furnishes the most perfect garage door arrangement on the market.

Blue prints furnished on request.

Directions for Ordering

Send Sketch showing all dimensions as follows:

1. Number of openings.
2. Width of opening.
3. Height of opening.
4. Thickness of doors.
5. Distance jamb to side wall, right side.
6. Distance jamb to side wall, left side.
7. Distance top of door to nearest obstruction or ceiling. (If arched doors, measure from highest point and give rise of arch.)
8. Is electric current direct or alternating.
9. Give voltage, cycle and phase.
10. State kind of door; single swing, pair of swing, single slide, pair of slide, or "Slidetite" folding doors.

Swing doors must always swing in.

R-W No. 1100

CONTINUED

There is no question of the superiority of sliding doors for garage use. Their installation gives free and unobstructed use of the entrance without danger of injury to the auto or truck when passing through the opening.

The installation shown in the illustration on the right is a large single sliding door.

The R-W Stewart Electric Door Opener and Closer handles this door with ease, opening and closing it by a push on the button.

See opposite page for Directions for Ordering.

The illustration below shows a double sliding door arrangement equipped to be operated by the R-W Stewart Electric Door Opener and Closer. These doors slide one to the right and one to the left and enable the builder to close an opening with two doors of medium size rather than a wide single door which would otherwise be required.

The illustration gives a very clear view of the motor, relay, limit switches and push buttons, trolley track and hangers, showing how they are above the door, away from possible accident, and occupying no valuable space.

These doors slide flat against the wall on either side of the opening and take up practically no floor space.

See opposite page for Directions for Ordering.



Fig. A-971—Stewart Electric Door Opener and Closer Operating a Single Sliding Door

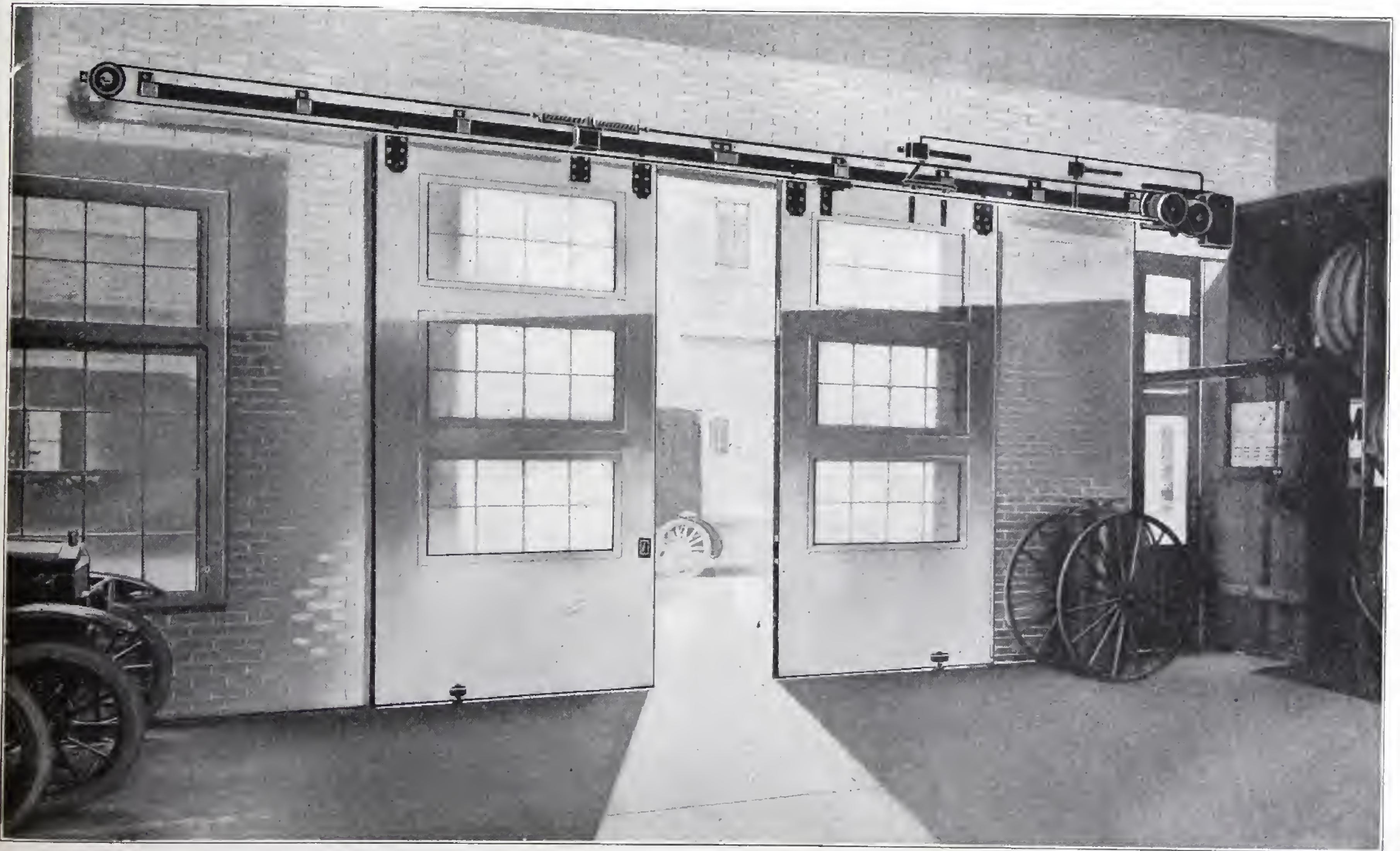


Fig. A-972—Stewart Electric Door Opener and Closer Operating Double Sliding Doors

R-W No. 1100 Stewart Electric Door Opener and Closer

CONTINUED

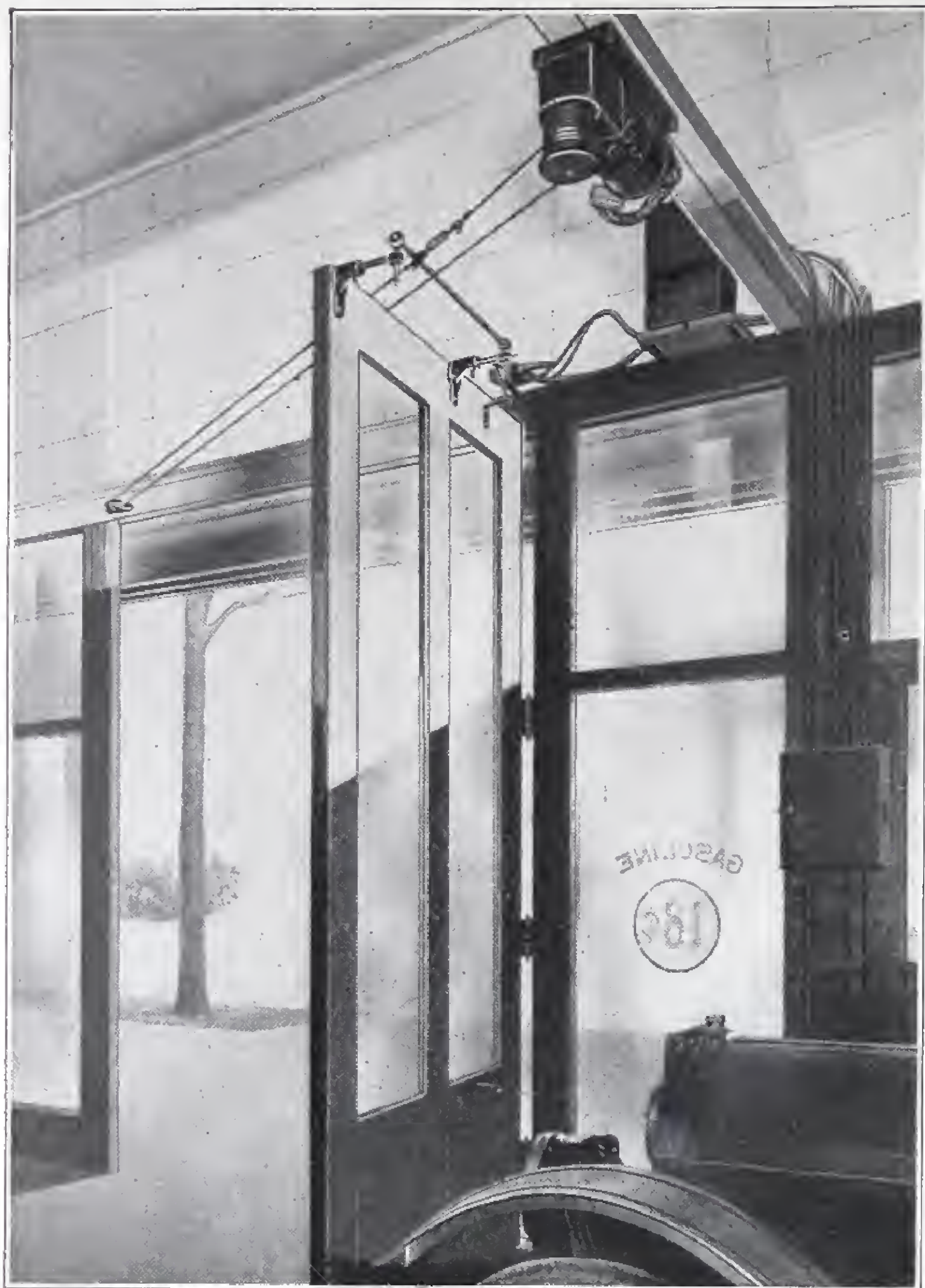


Fig. A-973—No. 1100 Electric Door Opener and Closer Operating a Single Swing Door

The R-W Stewart Electric Door Opener and Closer can be installed to operate swing doors, in old buildings where the doors are already in place, and in new buildings where swing doors are to be used. The illustration on the left is a very good example of a single swing door installation. Note how the motor, relay and the other parts of the outfit are all above the door and out of the way.

In the case of Swing Doors, certain room is required between the door when open and the wall it opens against. If the information asked for under Directions for Ordering on page 104 is given us complete, the outfit can be sent from the factory ready to be installed with very little unnecessary trouble.

A Double Swinging Door Installation is shown below. The outer ends of the doors are supported by special hangers which operate in curved tracks.

By taking the question of clearances up with us, giving the information asked for under Directions for Ordering on page 104 before designing the doorway, unnecessary expense may be avoided.

Clearance Dimensions for No. 1100 Electric Door Operators. Slidetite Doors

Minimum distance from jamb to side wall, on the motor side is 19" for $\frac{1}{4}$ H.P. motors, or 22" for $\frac{1}{3}$ or $\frac{1}{2}$ H.P. motors, on the pulley side 15", based on doors opening at right angles to wall and hinged with butts or similar hinges which cause the doors to stand into the opening.

If offset hinges, such as R-W No. 1035 are used, add the distance the doors extend beyond the jamb, to the figures given above. Special arrangements, such as setting the motor on the opposite side of the wall, or recessing it into the wall, can often be arranged to reduce the space. Minimum headroom using No. 31 track is 9"; using No. 232 or No. 33 tracks, about 11".

Single Swing Door

Minimum distance from jamb to side wall, on the motor side is approximately 20" for $\frac{1}{4}$ H. P. motor, or 22" for $\frac{1}{3}$ or $\frac{1}{2}$ H. P. motor, based on doors opening at right angles to wall and hinged with butts or similar hinges which cause the door to stand into the opening.

If offset hinges, such as R-W No. 1035 are used, add the distance the door extends, beyond the jamb, to the figures given above. Special arrangements such as setting the motor on the opposite side of the partition wall, or recessing it into the wall, may often be arranged to reduce the space. Headroom above the top of the door is approximately 6".

Pair of Swinging Doors

Minimum distance from jamb to the side wall on the motor side is 18" for $\frac{1}{4}$ H. P. motor, or 20" for $\frac{1}{3}$ or $\frac{1}{2}$ H. P. motors, on pulley side 15", based on doors opening at right angles to wall and hinged with butts or similar hinges which cause the door to stand into the opening.

If offset hinges, such as Richards-Wilcox No. 1035 hinges are used, add the distance the doors extend beyond the jamb to the figures given above. Special arrangements such as setting the motor on the opposite side of the partition wall, or recessing it into the wall can often be arranged to reduce the space. Minimum headroom about 8".

Single Sliding Door

The $\frac{1}{4}$ H.P. motor driving unit requires approximately 22" and the $\frac{1}{3}$ or $\frac{1}{2}$ H.P. motor driving unit requires approximately 26" space on the side wall beyond the travel of the door. This space may be at either end of the door. Special arrangements can sometimes be provided to reduce this space, depending upon the construction of the building. Minimum distance above the top of the door using No. 31 track is 9"; using No. 232 or No. 33 tracks, is 11".

Pair of Sliding Doors

The $\frac{1}{4}$ H.P. motor driving unit requires approximately 22" and the $\frac{1}{3}$ or $\frac{1}{2}$ H.P. motor driving unit requires approximately 26" space on the side wall beyond the travel of the door. This space may be at either end of the door. Special arrangements can sometimes be provided to reduce this space, depending upon the construction of the building. Minimum distance above the top of the door using No. 31 track is 9"; using No. 232 or No. 33 tracks, is 11".

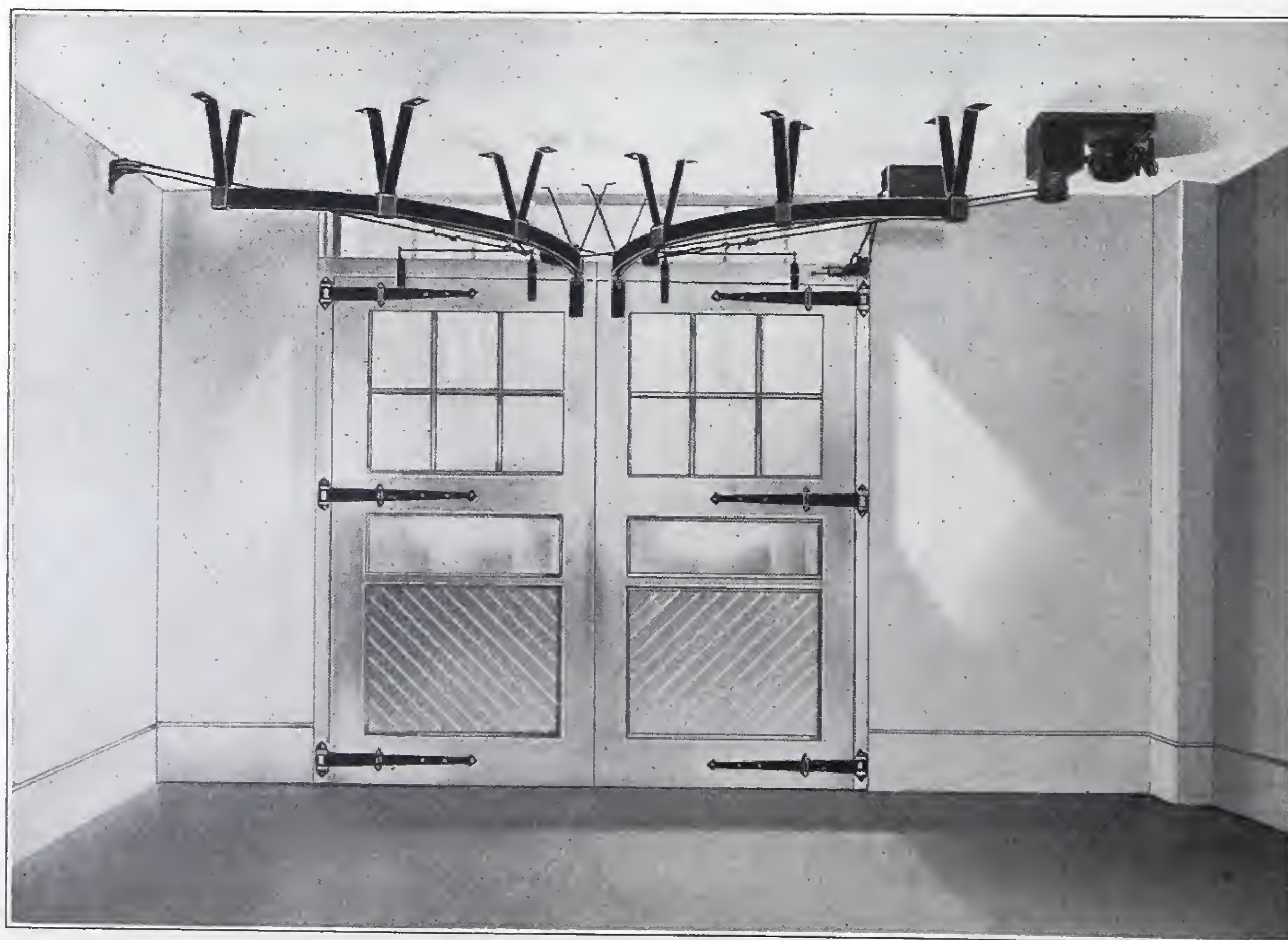


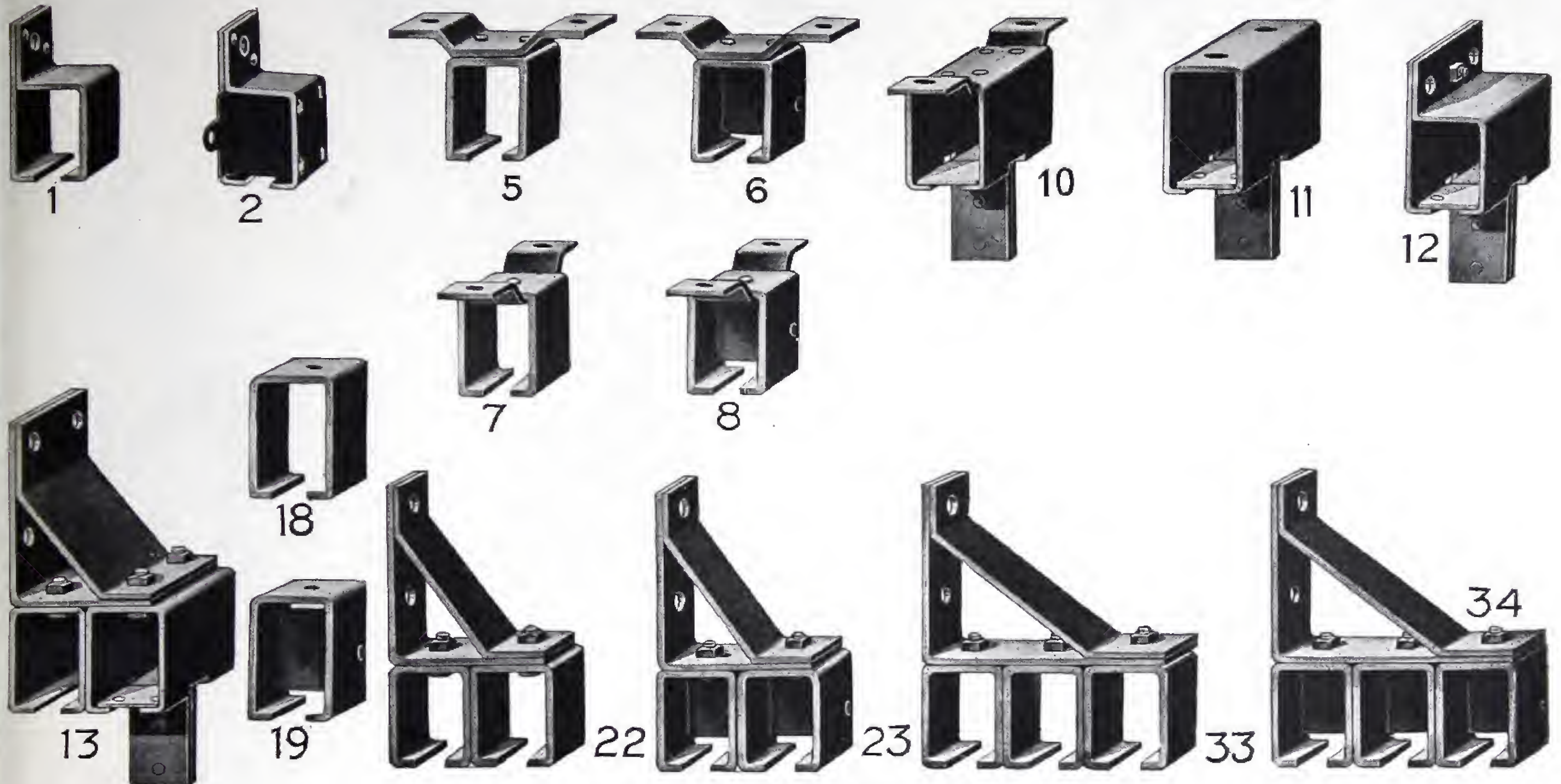
Fig. A-974—No. 1100 Electric Door Opener and Closer Operating Double Swinging Doors

R-W

Standard Trolley Track Brackets

For 31, 35, 32, 232 and 33 Track

(For Track See Page 126)



These numbers are Style Numbers Only

Number, Description and List Prices, Cover Brackets in Black Enamel Finish

For Galvanized Brackets, add 15% to List Prices below on Nos. 31, 35 and 32 track, and 20% on Nos. 232 and 33 track.

Important—Always specify catalog number of track for which brackets are desired. Example: A No. 1 style bracket for No. 31 track is wanted. Show as follows: 1x31 bracket; if for No. 33 track, show 1x33 bracket, etc.

Bracket Number	Description	For Track Number									
		31		35		32		232		33	
		Price	Shipping Wt., lbs.	Price	Shipping Wt., lbs.	Price	Shipping Wt., lbs.	Price	Shipping Wt., lbs.	Price	Shipping Wt., lbs.
1	Side Center Bracket, each.....	\$0.30	1	\$0.30	1	\$0.45	1 1/2	\$0.55	2	\$0.75	2 3/4
2	Side Right or Left End Bracket, each.....	.30	1	.30	1	.45	1 1/2	.55	2	.75	2 3/4
5	Cross Ear Ceiling Center Bracket, each.....	.30	1 1/2	.30	1 1/2	.45	2	.55	2 1/4	.75	4
6	Cross Ear Ceiling Right or Left End Bracket, each.....	.30	1 1/2	.30	1 1/2	.45	2	.55	2 1/2	.75	4 1/4
7	Parallel Ear Ceiling Center Bracket, each.....	.30	1 1/4	.30	1 1/4	.45	1 1/2	.55	2 1/2	.75	4
8	Parallel Ear Ceiling Right or Left End Bracket, each.....	.30	1 1/2	.30	1 1/2	.45	1 3/4	.55	2 3/4	.75	4 1/4
10	Parallel Ear Ceiling Center Stop Bracket, each.....	.85	2 1/2	.85	2 1/2	1.15	3 1/4	1.35	5 1/4	1.65	7
11	Plain Ceiling Center Stop Bracket, each.....	.85	2 3/4	.85	2 3/4	1.15	3	1.35	4 1/2	1.65	6
12	Side Center Stop Bracket, each.....	.85	3 1/2	.85	3 1/2	1.15	4	1.35	5	1.65	5 3/4
13	Side Double Half Center Stop Bracket, each.....	1.65	7 1/2	1.65	7 1/2	2.35	9	2.65	13	3.35	22
18	Plain Ceiling Center Bracket, each.....	.30	1 1/2	.30	1 1/2	.45	1 3/4	.55	2	.75	4 3/4
19	Plain Ceiling Right or Left End Bracket, each.....	.30	1 1/2	.30	1 1/2	.45	1 3/4	.55	2	.75	4 3/4
22	Side Double Center Bracket, each.....	.85	4	.85	4	1.15	5	1.50	6 1/2	1.65	9
23	Side Double Right or Left End Bracket, each.....	.85	4	.85	4	1.15	5	1.50	6 1/2	1.65	9
33	Side Triple Center Bracket, each.....	1.35	5 1/2	1.35	5 1/2	1.65	7	2.15	8 1/2	2.50	13
34	Side Triple Right or Left End Bracket, each.....	1.35	5 1/2	1.35	5 1/2	1.65	7	2.15	8 1/2	2.50	13 1/2

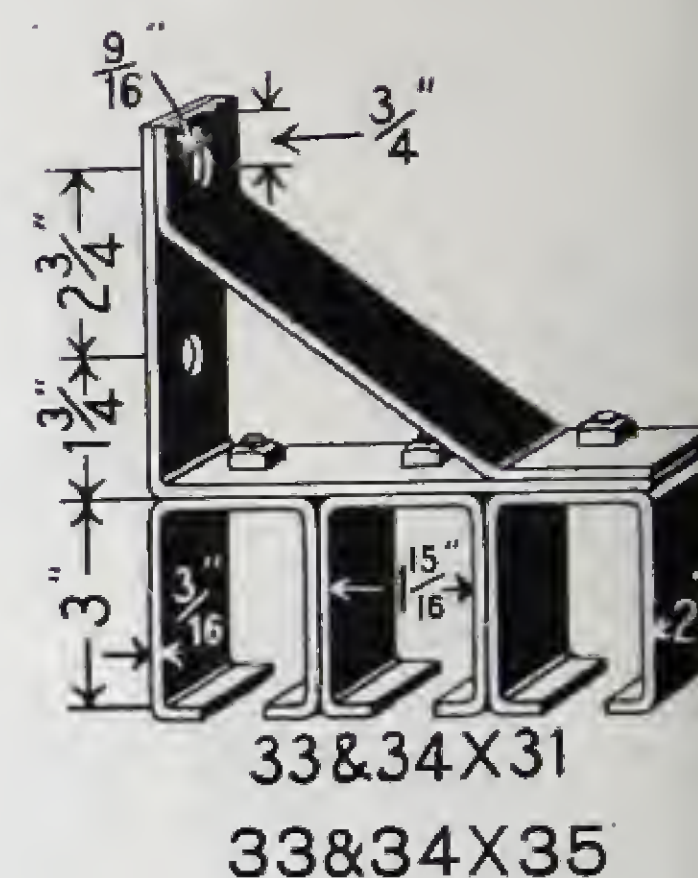
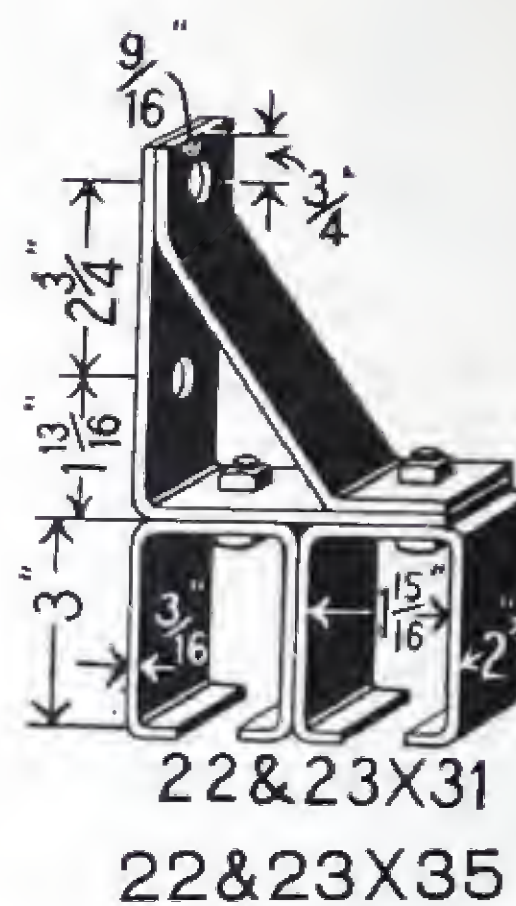
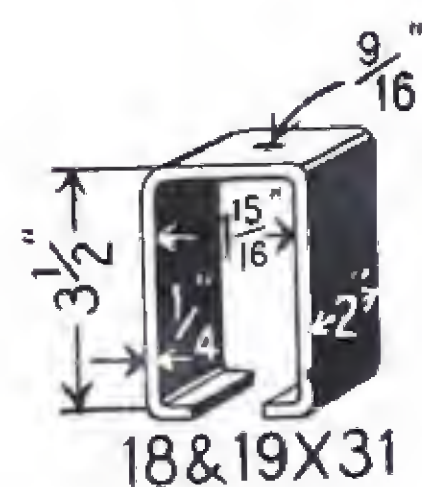
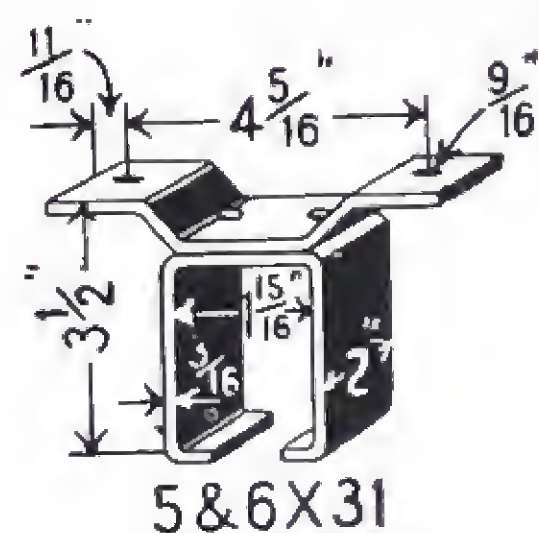
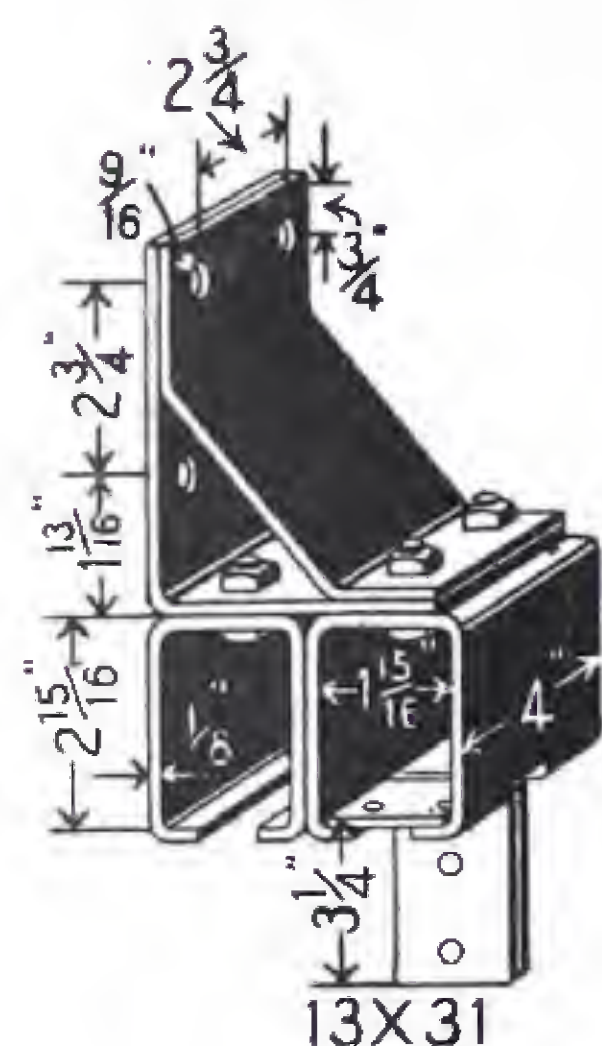
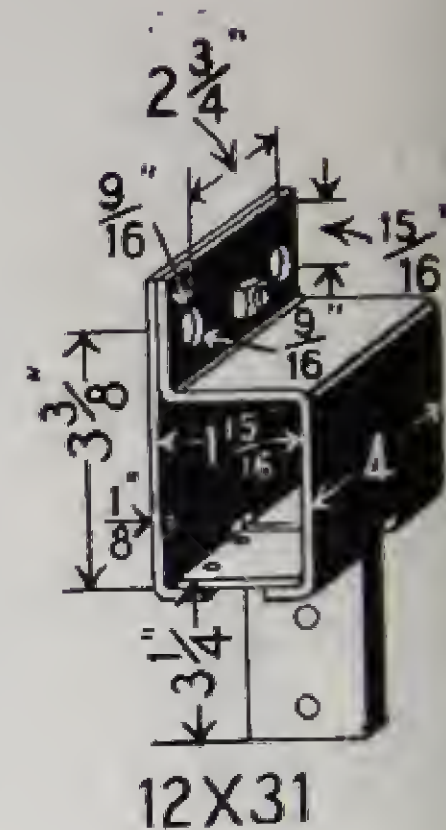
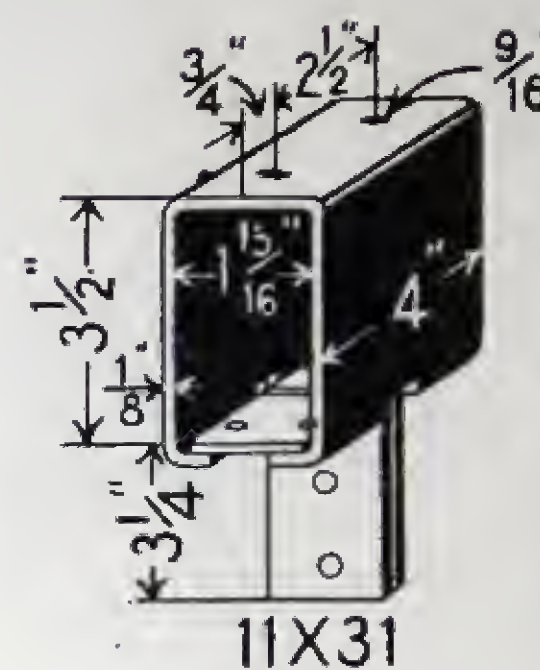
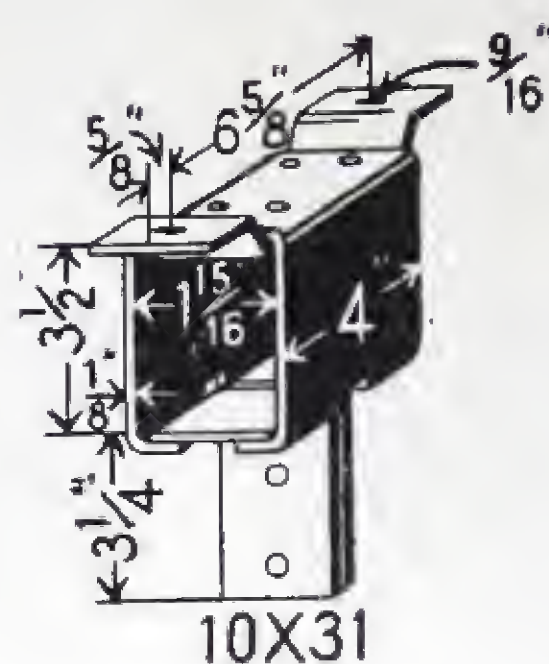
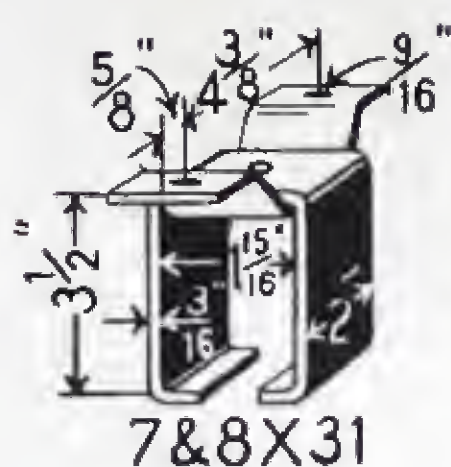
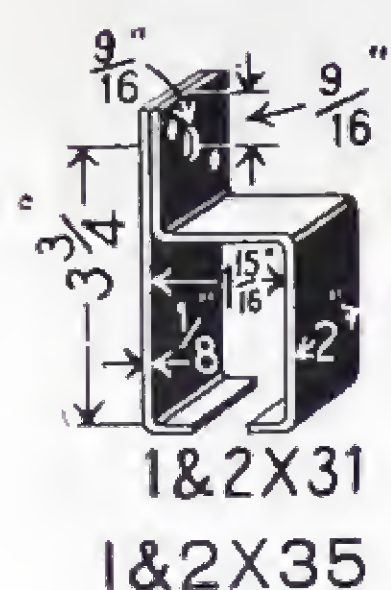
Bracket Measurements Shown on Following Pages

Discount.....

Dimensions of R-W Standard Size Trolley Track Brackets

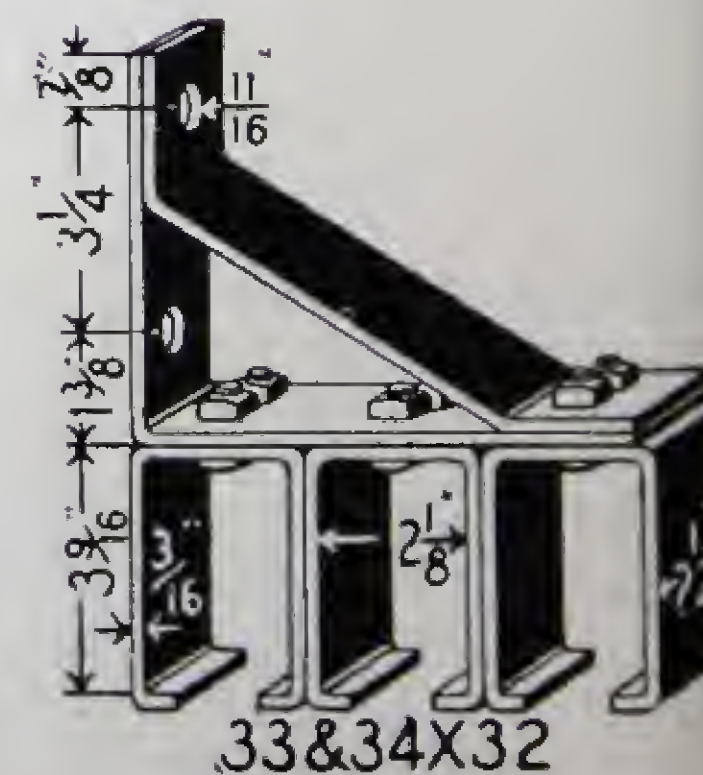
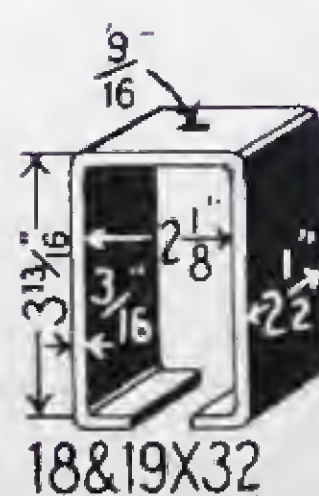
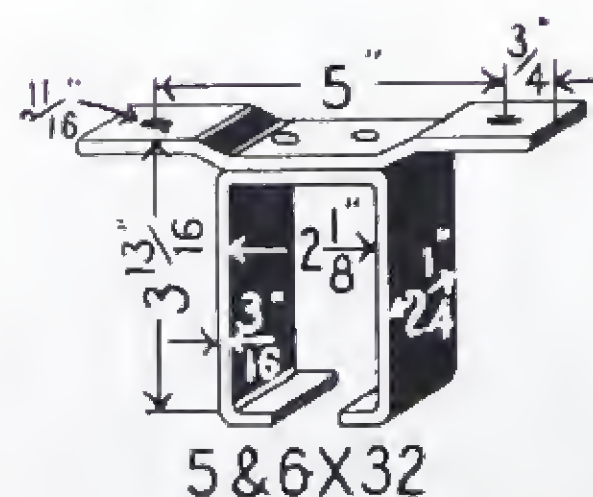
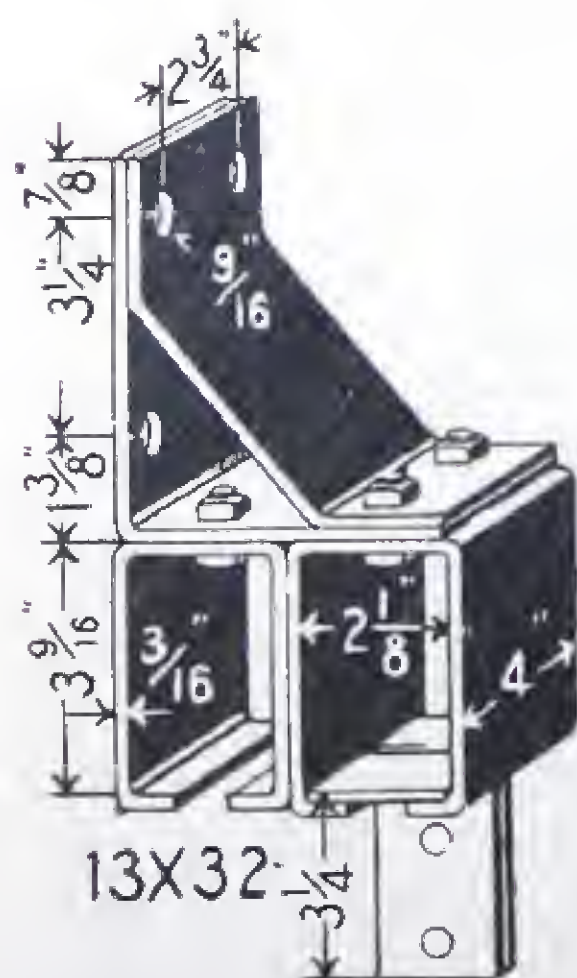
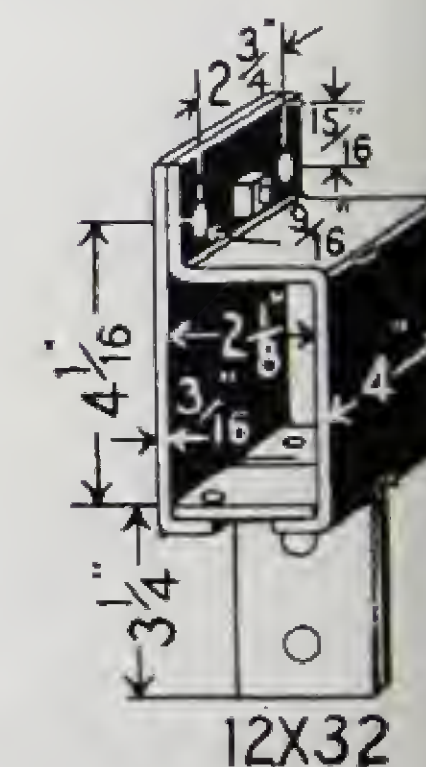
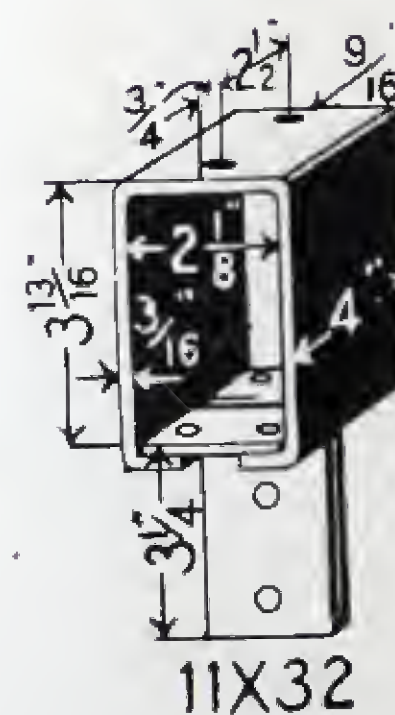
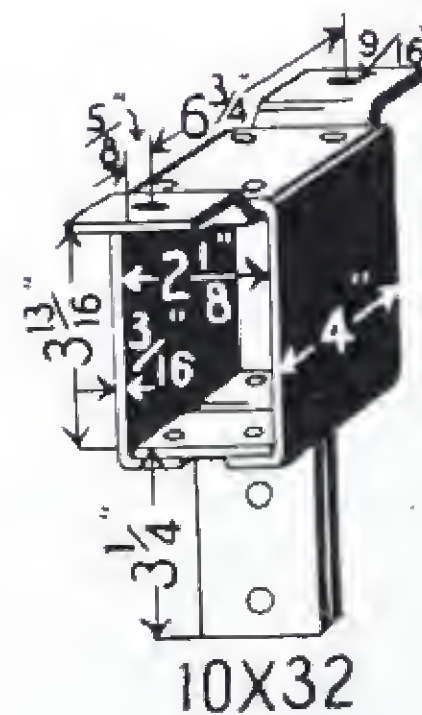
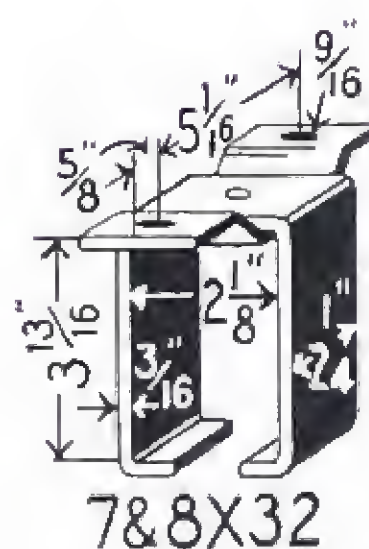
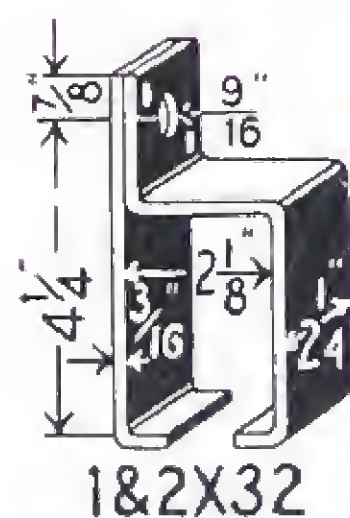
For Nos. 31 and 35 Track

All Brackets for No. 31 Track except styles 10, 11, 12, and 13 will fit No. 35 Track.



For Prices See Page 107

For No. 32 Track



For Prices See Page 107

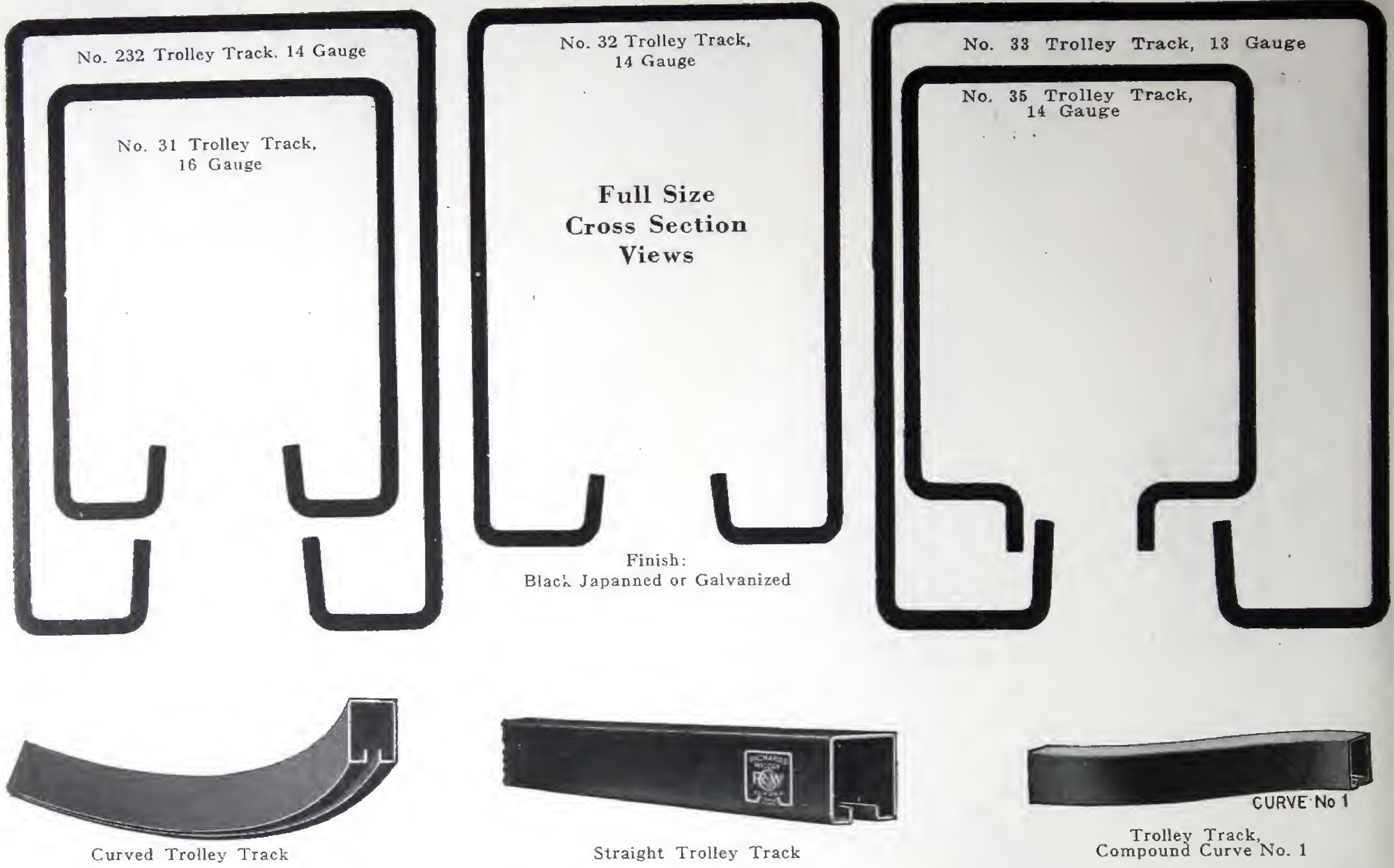
For No. 232 Track



For Prices See Page 107

R-W

Standard Size Trolley Tracks



List Price of Track

Track No.	Weight Lbs.	Unit	Straight Track		Curved Track		Compound Curve No. 1, Each	Track is furnished in lengths up to 10 feet in one piece. Brackets furnished for these tracks to suit requirements. Brackets illustrated on page 107
			Black	Galvanized	Black	Galvanized	Black	
31	1½	Per ft.	\$.30	\$.35	\$1.90	\$2.20	\$7.00	
32	2½	Per ft.	.45	.55	2.55	2.90	7.50	
33	4	Per ft.	.70	.90	3.10	3.65	9.00	
35	2¼	Per ft.	.30	.35	.....	.....	.....
232	2¾	Per ft.	.55	.75	2.85	3.30	8.00	

90° Curved Trolley Track (Black Only)

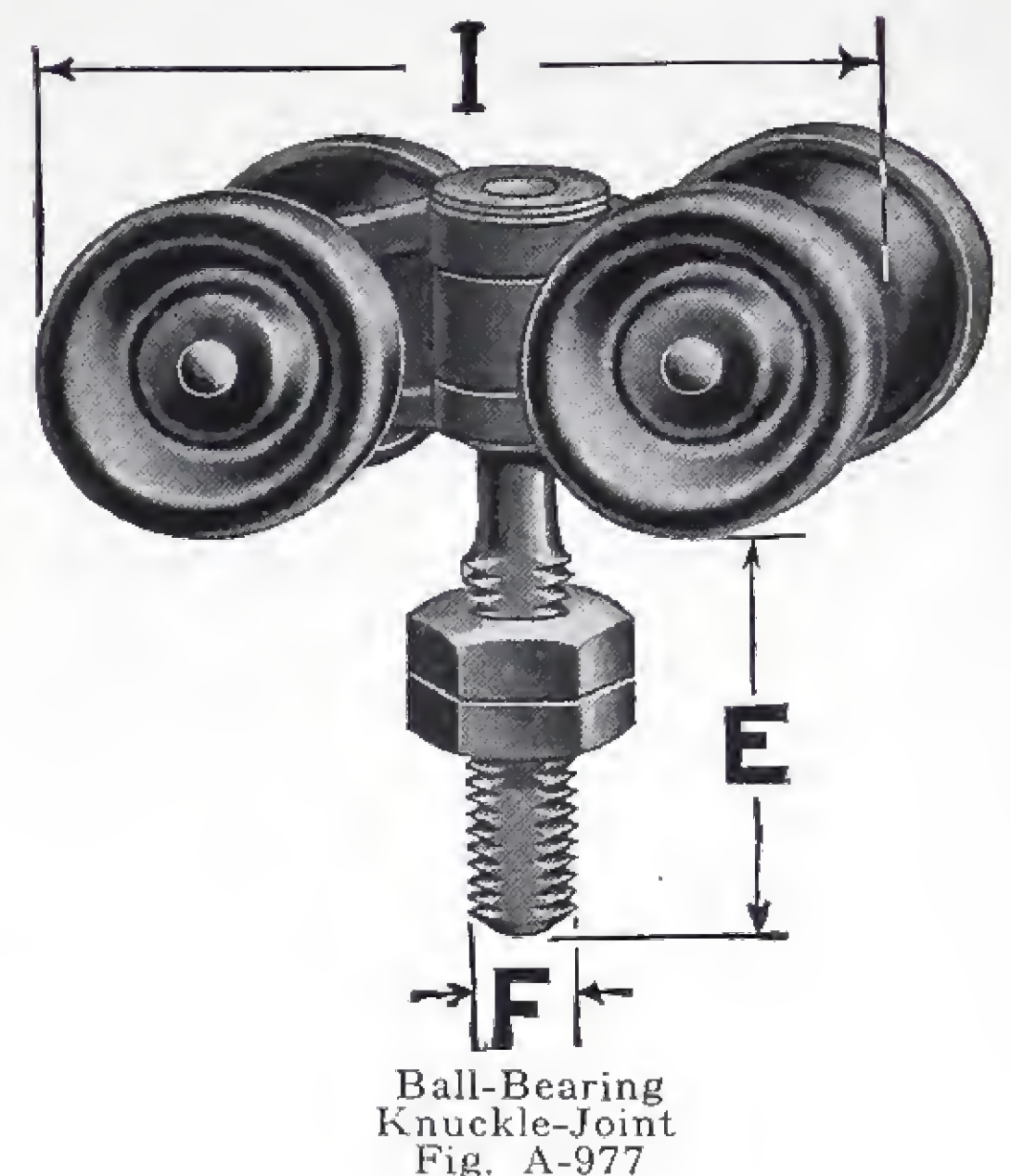
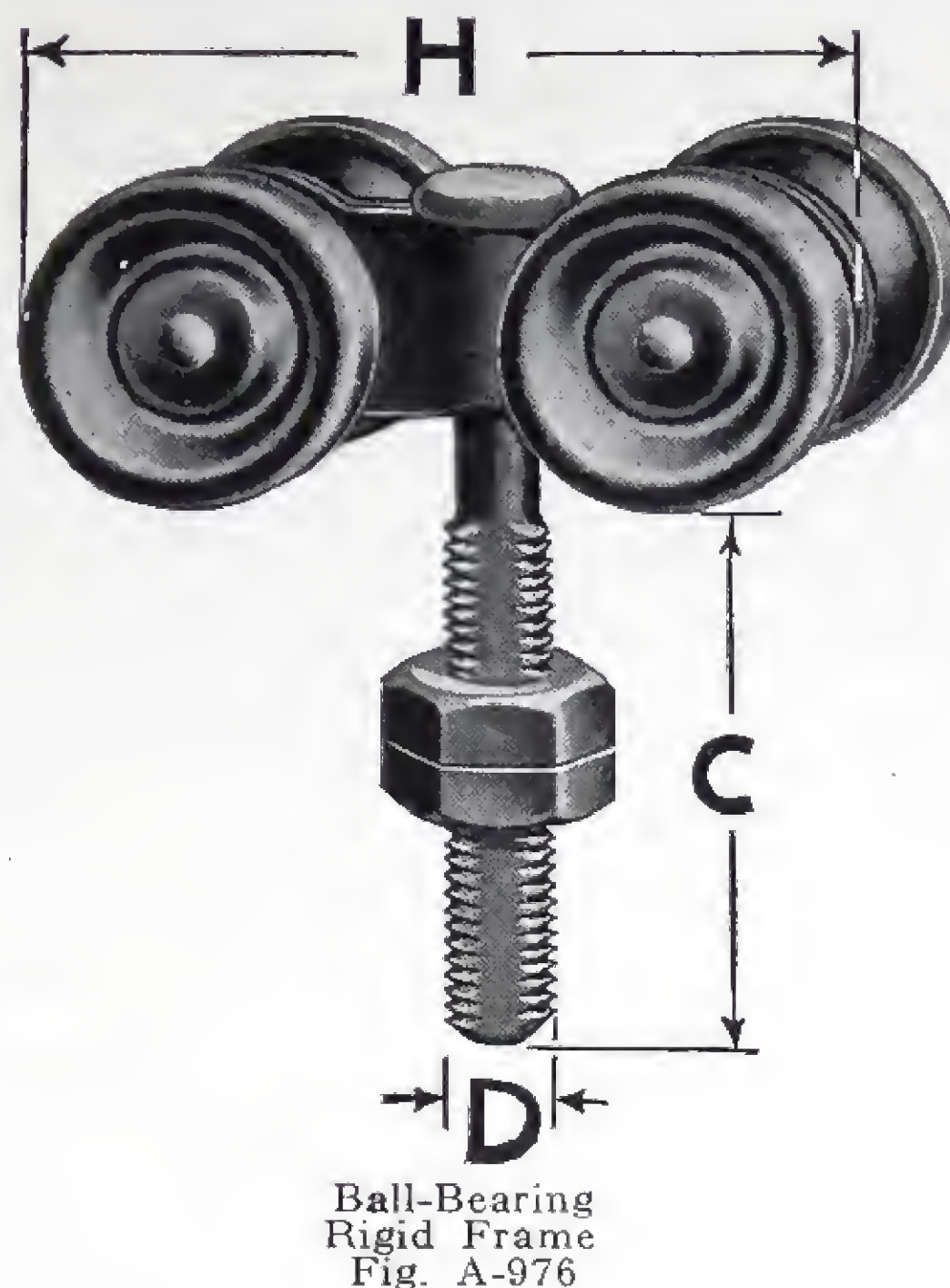
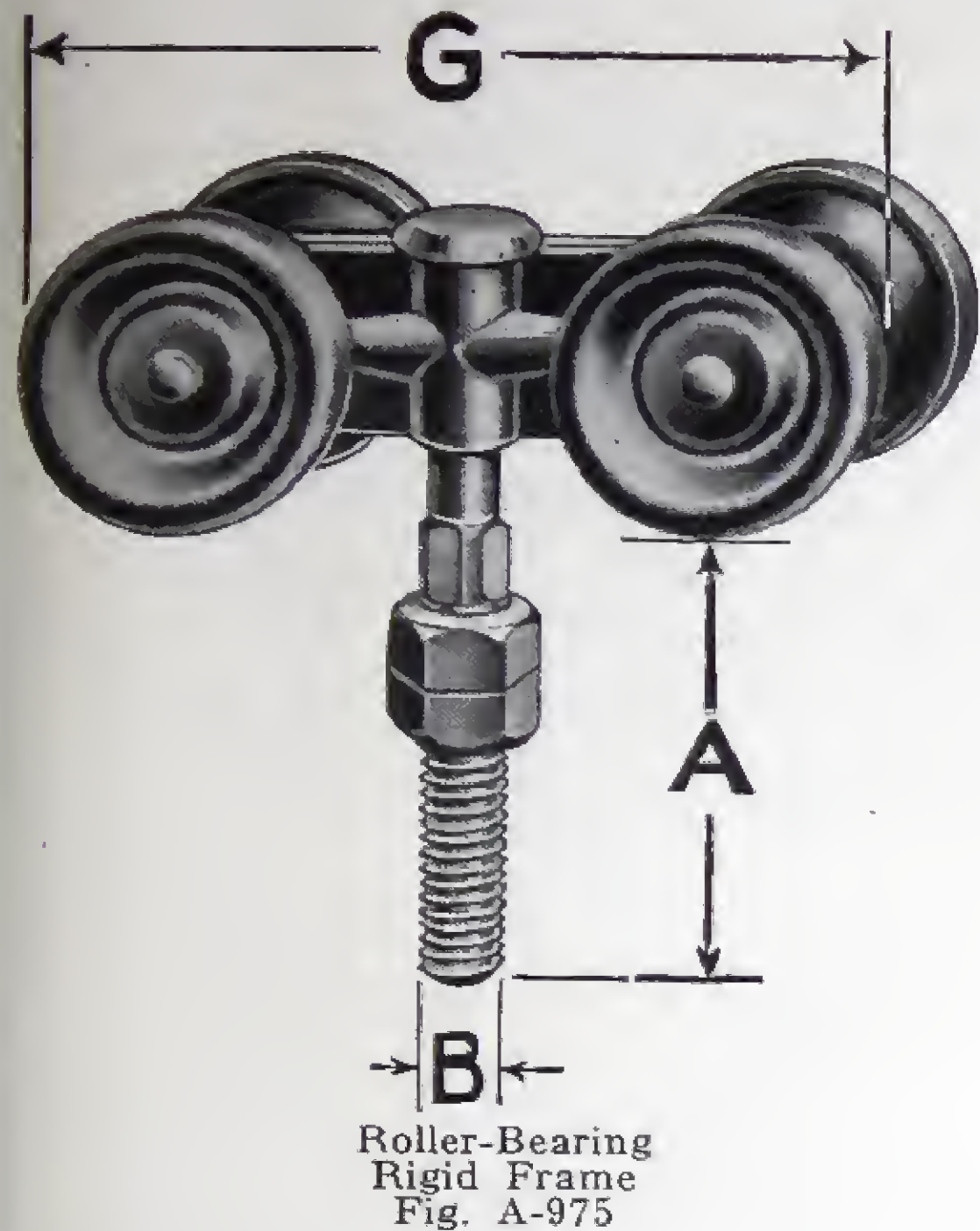
Radius	Number of Feet of Straight Track in 90° Curves	List Price Per Curve				Radius	Number of Feet of Straight Track in 90° Curves	List Price Per Curve			
		No. 31	No. 32	No. 232	No. 33			No. 31	No. 32	No. 232	No. 33
2'0"	3.1416	\$6.50	\$8.50	\$9.50	\$10.65	6'6"	10.3102	\$20.65	\$27.50	\$31.00	\$34.40
2'6"	3.9270	8.00	10.60	12.00	13.30	7'0"	10.9956	22.00	29.30	33.00	36.65
3'0"	4.7125	9.50	12.65	14.25	15.80	7'6"	11.7810	23.50	31.30	35.25	39.15
3'6"	5.4976	11.00	14.65	16.50	18.30	8'0"	12.5664	25.00	33.30	37.50	41.65
4'0"	6.2833	12.50	16.65	18.75	20.80	8'6"	13.3518	26.65	35.60	40.00	44.40
4'6"	7.0686	14.00	18.65	21.00	23.30	9'0"	14.1372	28.30	37.80	42.50	47.25
5'0"	7.8540	16.00	21.30	24.00	26.65	9'6"	14.9228	30.00	40.00	45.00	50.00
5'6"	8.6394	17.00	22.65	25.50	28.30	10'0"	15.7080	31.65	42.00	47.25	52.50
6'0"	9.4248	19.00	25.30	28.50	31.65						

Note—Curves cannot be satisfactorily bent to a shorter radius than 2 feet.

Discount

R-W Trolley Trucks

Roller-Bearing, Ball-Bearing, Knuckle-Jointed for Nos. 31, 32, 33 and 232 Trolley Tracks



List Price of Trolley Trucks for No. 31 Track

No. 20½B—Rigid Frame Trucks only, ball-bearing (as illustrated) C = 2¾", D = ½", H = 5", per pair.....	\$3.30
No. 20-2—Rigid Frame Trucks only, roller-bearing (as illustrated) A = 2¾", B = ½", G = 4¾", per pair.....	2.25
No. 25—Rigid Frame Truck only, roller-bearing (as illustrated) A = 2¾", B = ⅝", G = 6", per pair.....	2.70
No. 27½B—Rigid Frame Trucks only, ball-bearing (as illustrated) C = 2¾", D = ⅝", H = 5", per pair.....	3.90
No. 27½B—Knuckle-Joint Trucks only, ball-bearing (as illustrated) E = 2½", F = ⅝", I = 5", per pair.....	6.15

List Price of Trolley Trucks for No. 32 Track

No. 28V—Rigid Frame Trucks, only, roller-bearing (as illustrated) A = 3", B = ⅝", G = 6¼", per pair.....	3.60
No. 28½B—Rigid Frame Trucks only, ball-bearing (as illustrated) C = 2⅞", D = ⅝", H = 6¼", per pair.....	\$4.80
No. 28½B—Knuckle-Joint Trucks only, ball-bearing (as illustrated) E = 2⅞", F = ⅝", I = 5½", per pair.....	6.60

List Price of Trolley Trucks for No. 33 Track

No. 121—Rigid Frame Trucks only, roller-bearing (as illustrated) A = 3¼", B = ¾", G = 7½", per pair.....	5.70
No. 123½B—Rigid Frame Trucks only, ball-bearing (as illustrated) C = 3⅜", D = ¾", H = 7½", per pair.....	7.50
No. 123½B—Knuckle-Joint Trucks only, ball-bearing (as illustrated) E = 3½", F = ¾", I = 6¾", per pair.....	10.50

List Price of Trolley Trucks for No. 232 Track

No. 29V—Rigid Frame Trucks only, roller-bearing (as illustrated) A = 3⅛", B = ⅝", G = 7½", per pair.....	4.80
No. 29½B—Rigid Frame Trucks only, ball-bearing (as illustrated) C = 3¼", D = ⅝", H = 6¾", per pair.....	6.00
No. 29½B—Knuckle-Joint Trucks only, ball-bearing (as illustrated) E = 3", F = ⅝", I = 6¾", per pair.....	9.00

Note—Always specify by number trucks desired. Rigid type instead of Knuckle-Joint type sent unless otherwise specified.

Discount.....

Bolt Spacings for Brackets

For Slidetite 435 and 1035 3 to 6-Door Sets

This data shows bolt spacings for use of architects, engineers, and contractors, so that steel lintels may be punched in the shop, or so that bolts may be built into concrete or masonry lintels.

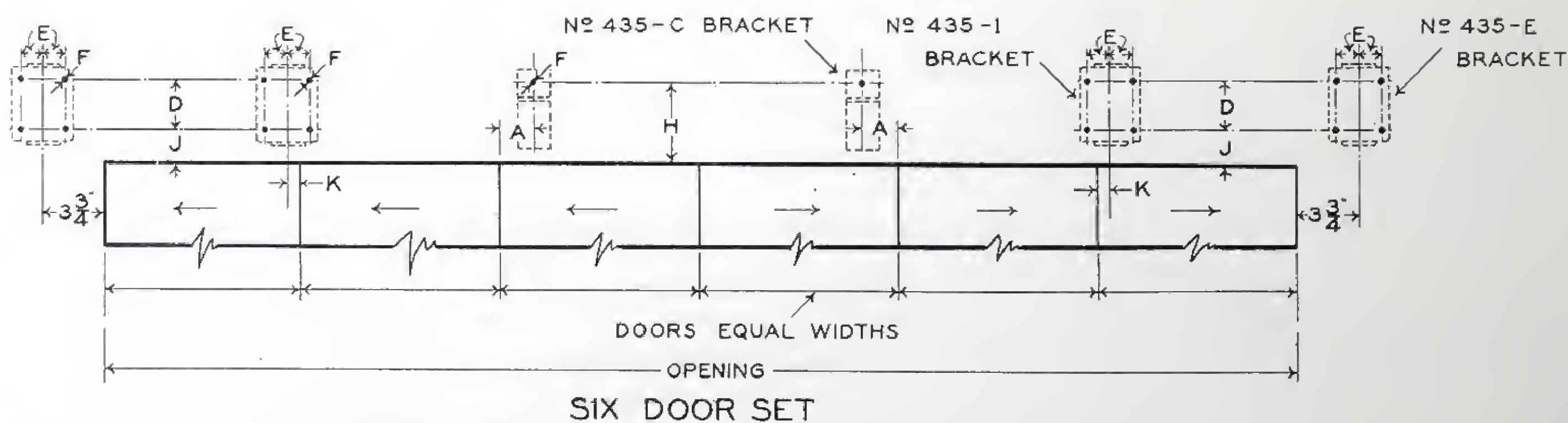
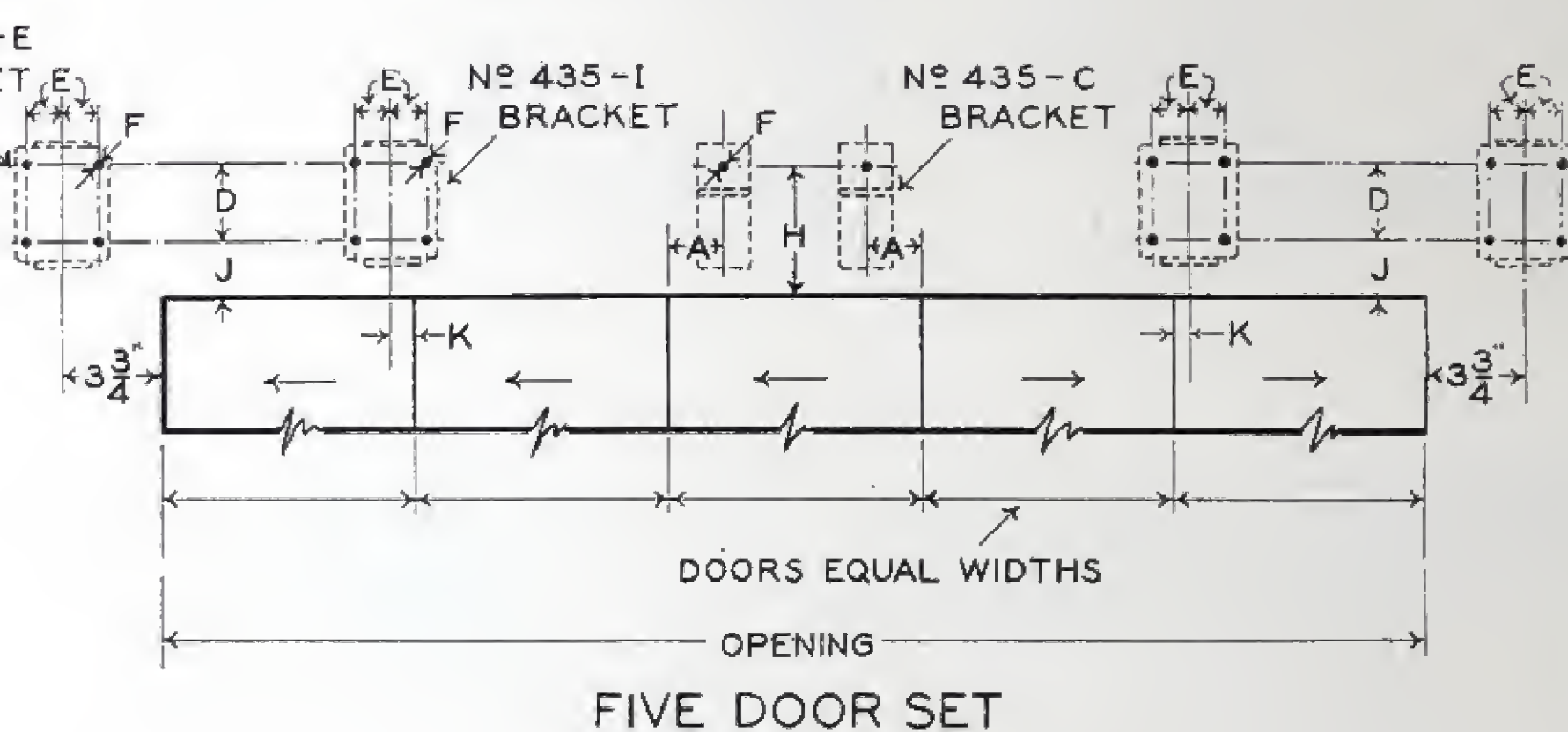
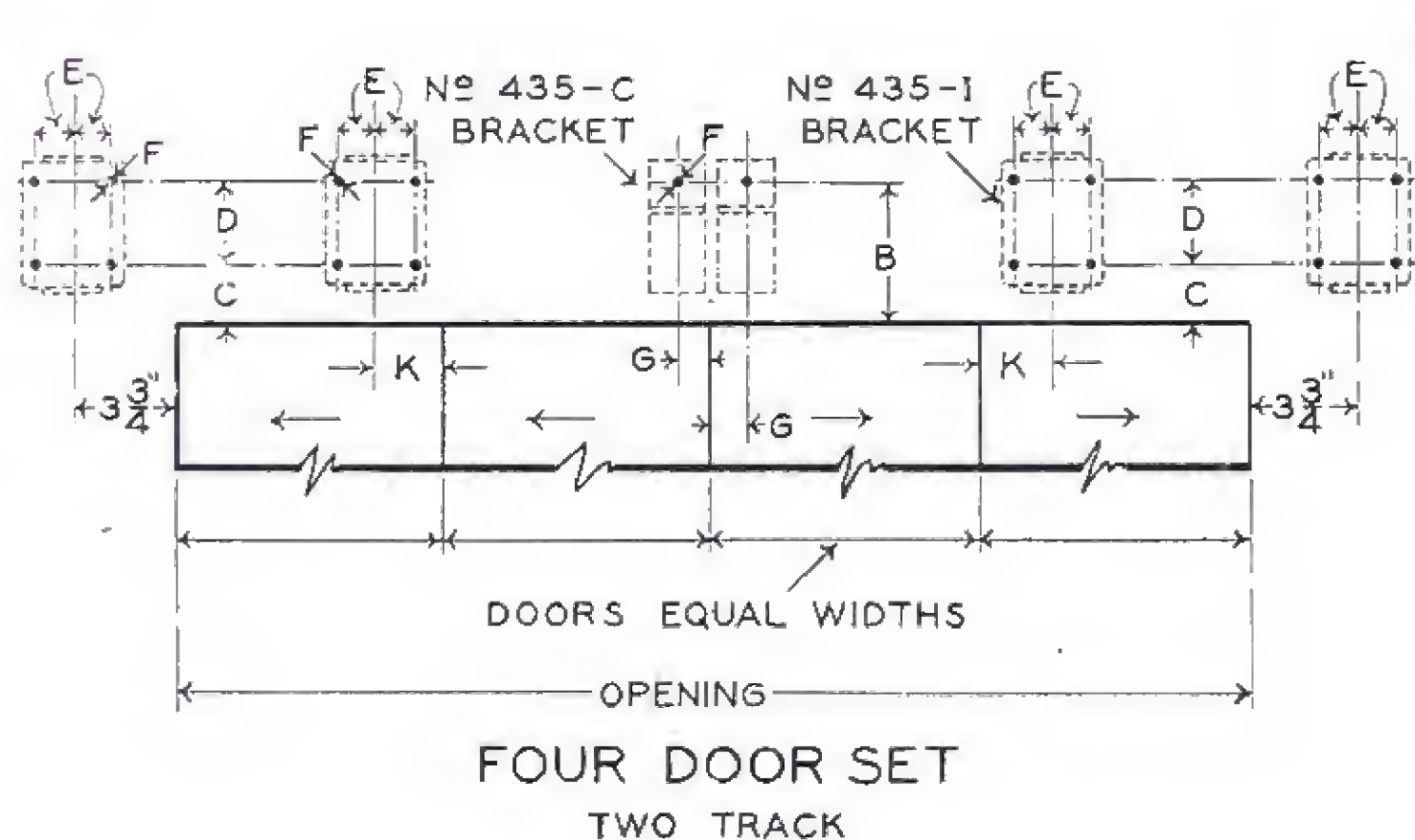
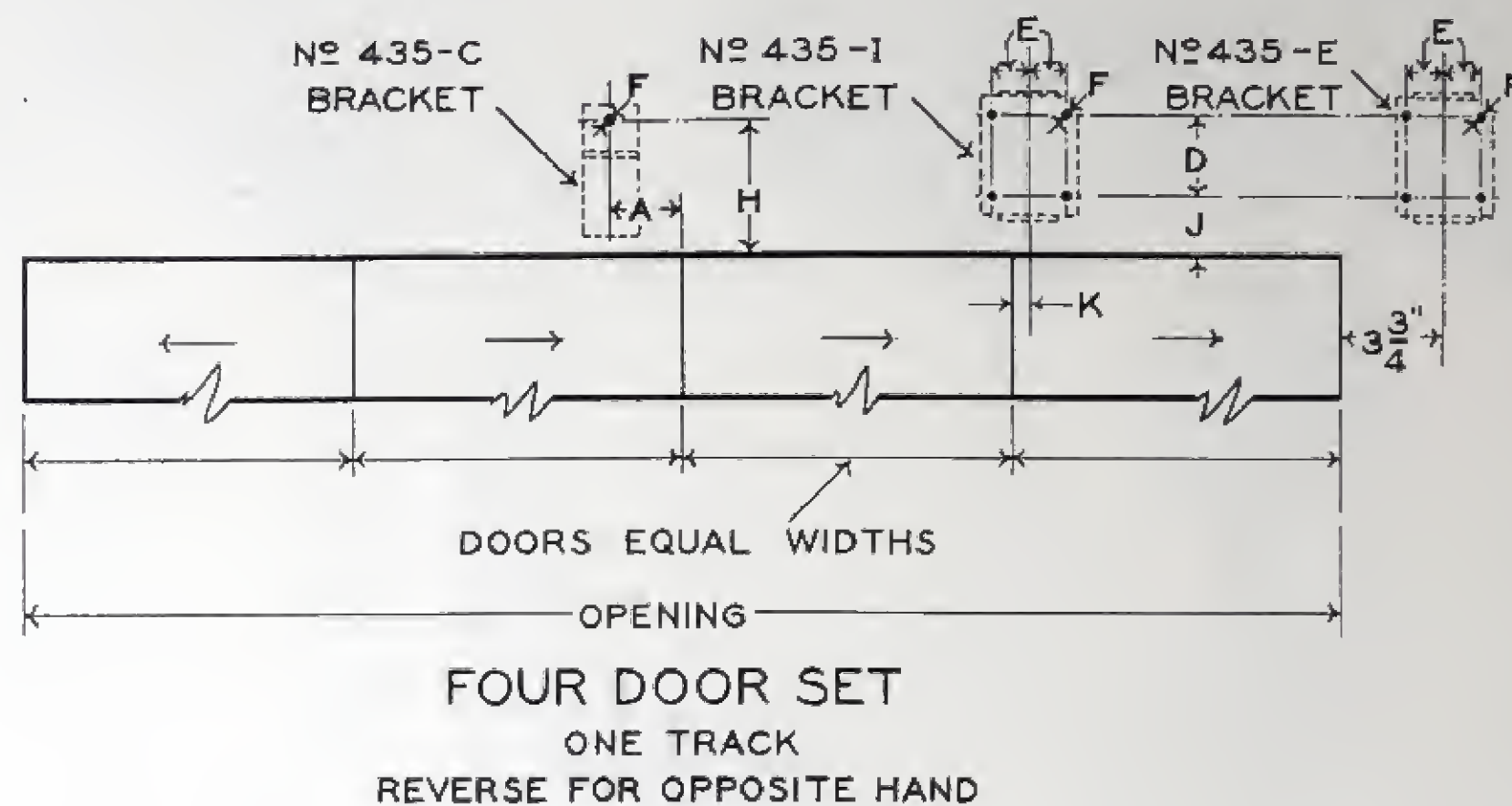
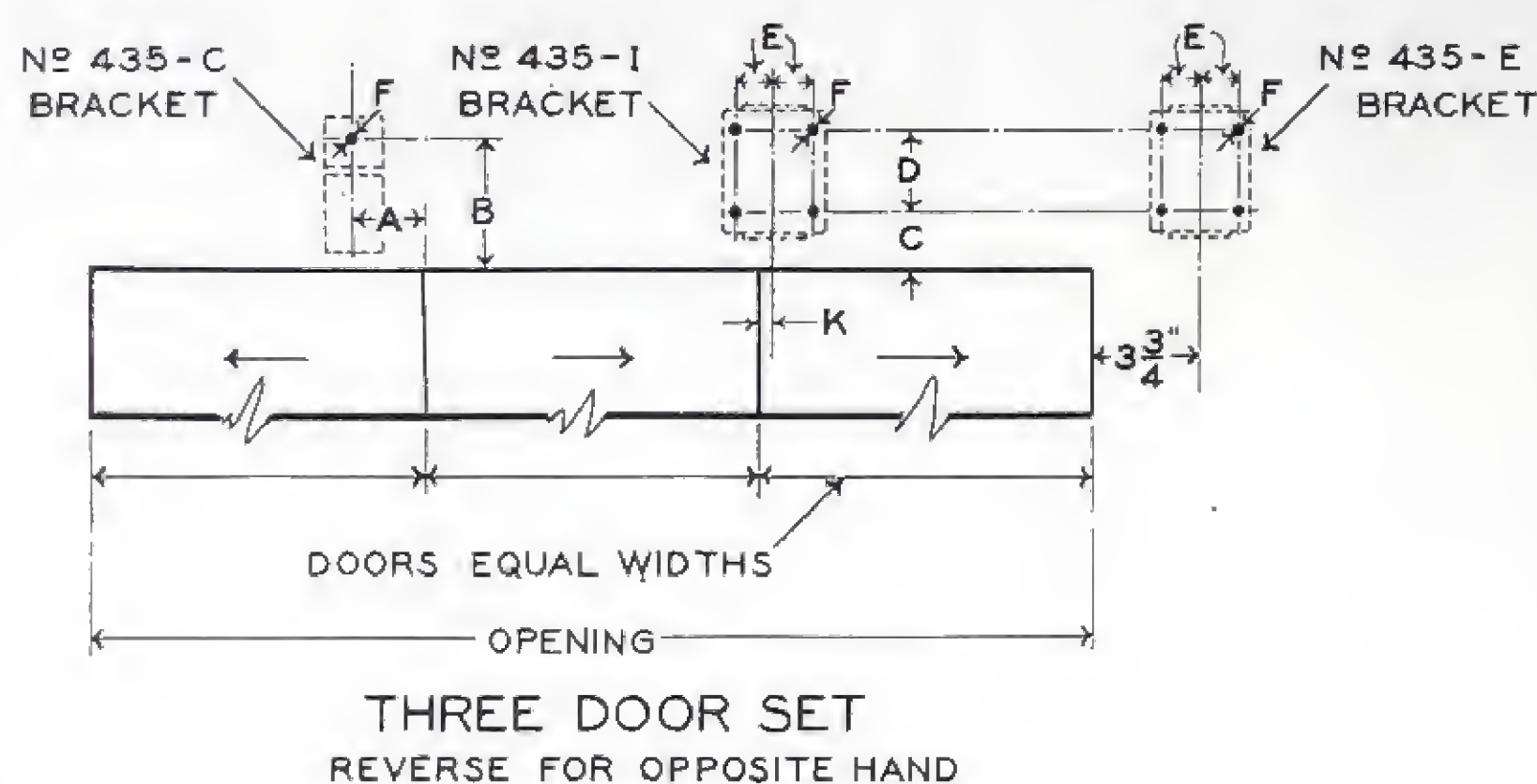


TABLE										
SIZE OF TRACK	A	B	C	D	E	SIZE F BOLT	G	H	J	K
31 & 35	2 1/8"	5 3/8"	2 7/8"	3"	1 3/8"	3/8"	1 1/4"	7 1/4"	4 3/4"	1 3/4"
232	2 3/4"	7 1/4"	2 3/4"	4 7/8"	2 13/16"	1/2"	1 5/8"	10"	5 1/2"	3 1/2"
33	2 5/8"	7 3/8"	3"	4 7/8"	2 13/16"	1/2"	1 3/4"	10 5/8"	5 5/8"	3 1/2"

NOTE:- WHEN WORKING IN MINIMUM HEADROOM
 FOR NO. 31 & 35 TRACK B = 5" C = 2 1/8" H = 6 7/8" J = 4"
 " " 232 " B = 6 7/8" C = 2" H = 9 5/8" J = 4 3/4"
 " " 33 " B = 7" C = 2 1/4" H = 9 3/4" J = 5"

Fig. A-979

Bolt Spacings for Brackets

For Slidetite 435 and 1035 7 to 10 Door Sets

This data shows bolt spacings for use of architects, engineers, and contractors, so that steel lintels may be punched in the shop, or so that bolts may be built into concrete or masonry lintels.

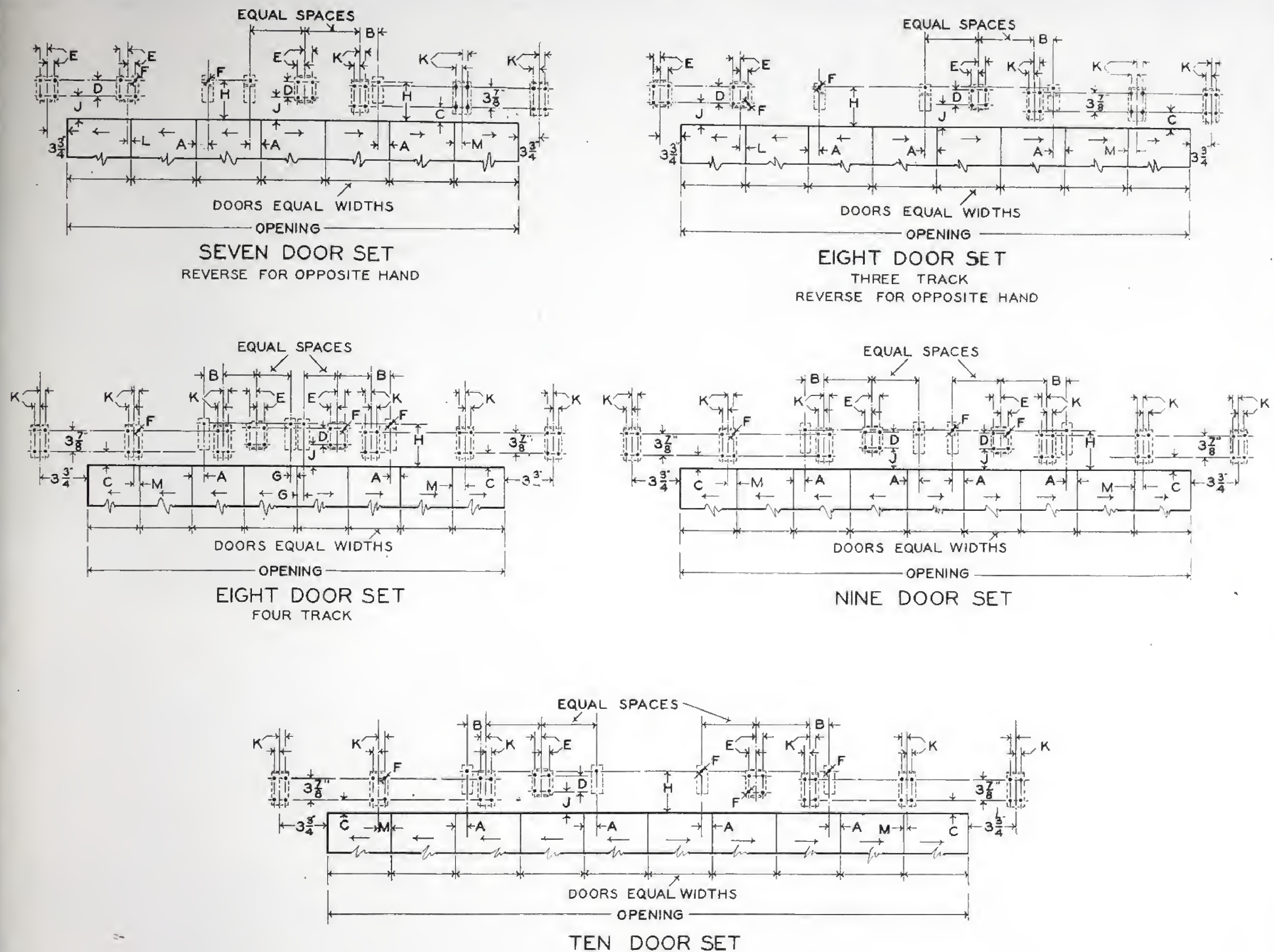


TABLE												
SIZE OF TRACK	A	B	C	D	E	F SIZE BOLT	G	H	J	K	L	M
31 & 35	2 $\frac{1}{8}$ "	3 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	3"	1 $\frac{3}{8}$ "	$\frac{3}{8}$ "	1 $\frac{1}{4}$ "	7 $\frac{1}{4}$ "	4 $\frac{3}{4}$ "	1"	1 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "
232	2 $\frac{3}{4}$ "	4"	5 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	2 $\frac{13}{16}$ "	$\frac{1}{2}$ "	1 $\frac{5}{8}$ "	10"	5 $\frac{1}{2}$ "	1"	3 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "
33	2 $\frac{5}{8}$ "	4 $\frac{1}{2}$ "	5 $\frac{5}{8}$ "	4 $\frac{7}{8}$ "	2 $\frac{13}{16}$ "	$\frac{1}{2}$ "	1 $\frac{3}{4}$ "	10 $\frac{1}{8}$ "	5 $\frac{5}{8}$ "	1 $\frac{1}{4}$ "	3 $\frac{1}{2}$ "	2"

NOTE:- WHEN WORKING IN MINIMUM HEADROOM

FOR NO. 31 & 35 TRACK - C = 2 $\frac{1}{2}$ " H = 6 $\frac{7}{8}$ " J = 4"
 " " 232 " - C = 4 $\frac{1}{2}$ " H = 9 $\frac{5}{8}$ " J = 4 $\frac{3}{4}$ "
 " " 33 " - C = 5" H = 9 $\frac{3}{4}$ " J = 5"

Fig. 980

Bolt Spacings for Brackets

For SlydaSyde No. 235 Sets

This data shows bolt spacings for use of architects, engineers, and contractors, so that steel lintels may be punched in the shop, or so that bolts may be built into concrete or masonry lintels.

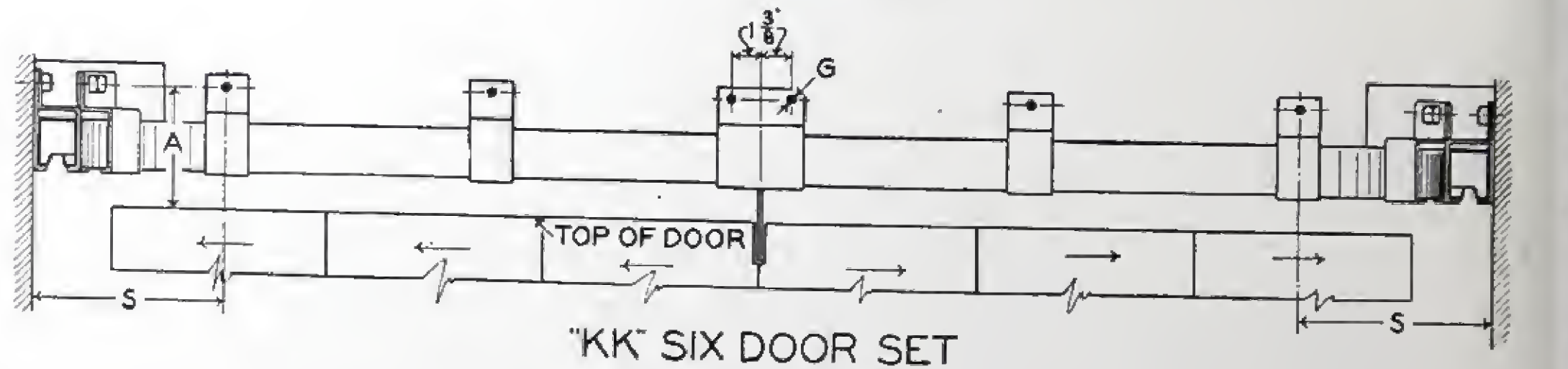
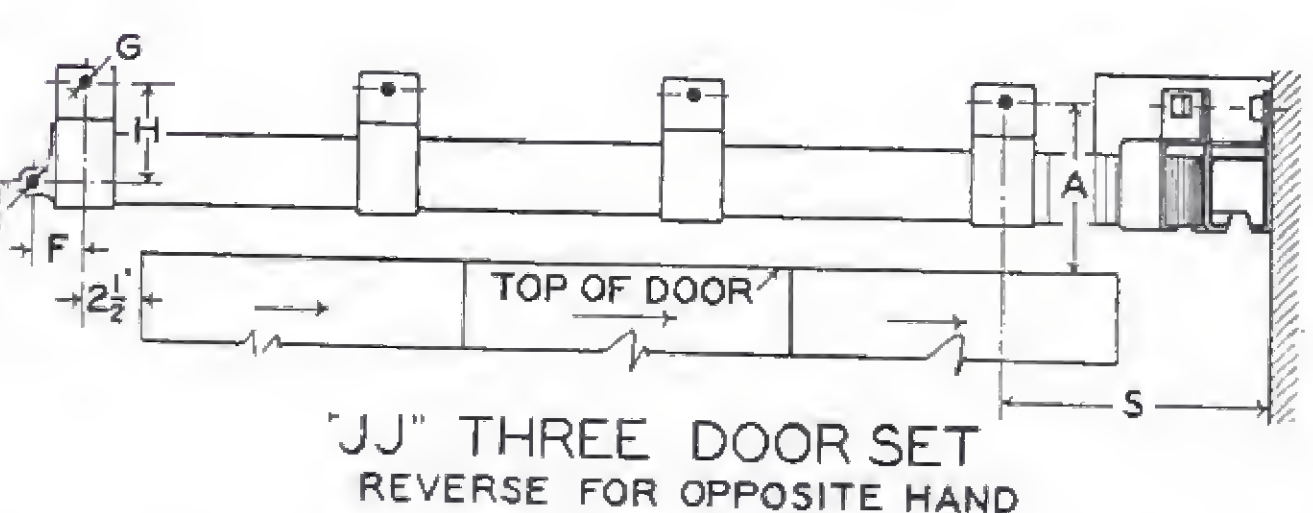
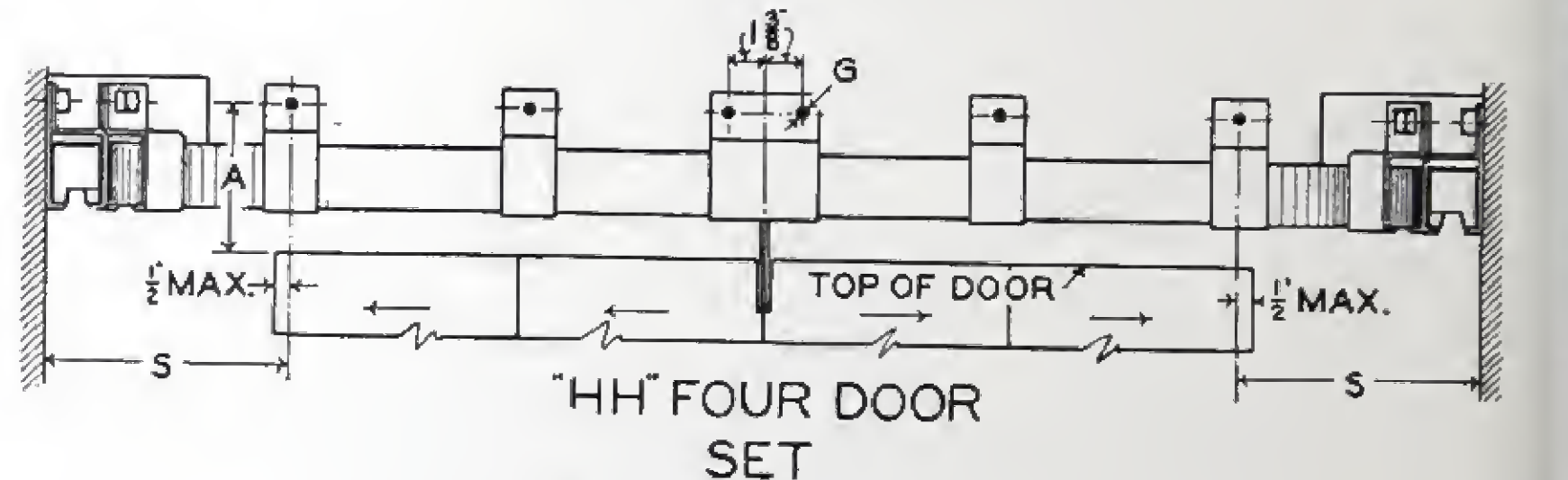
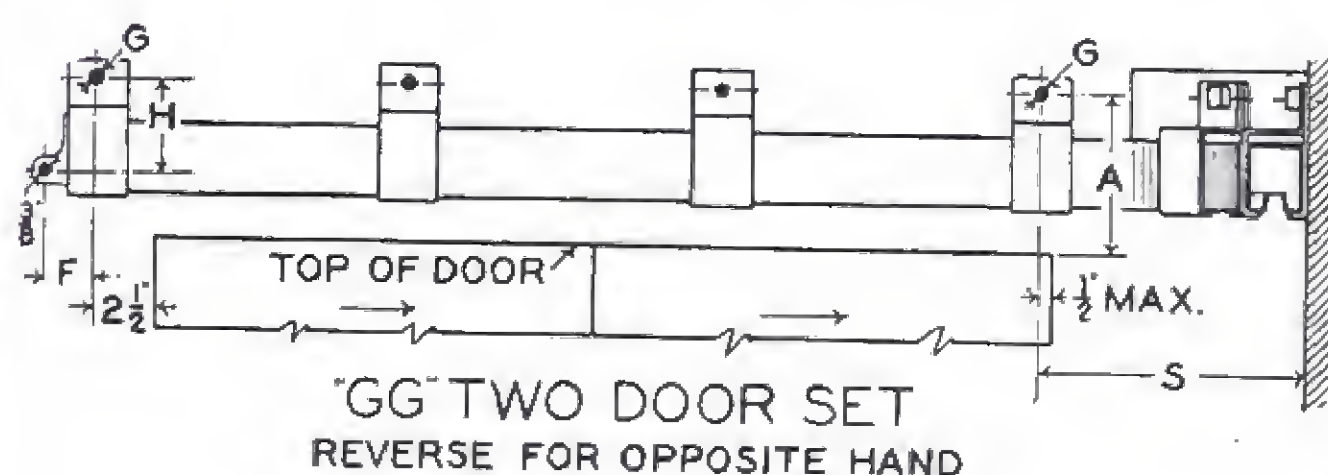
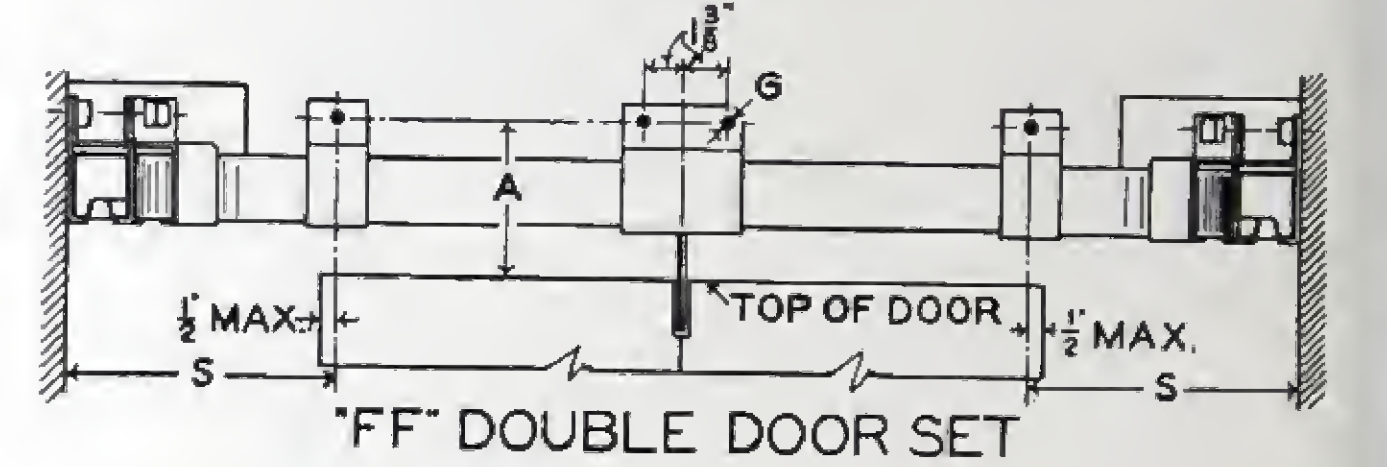
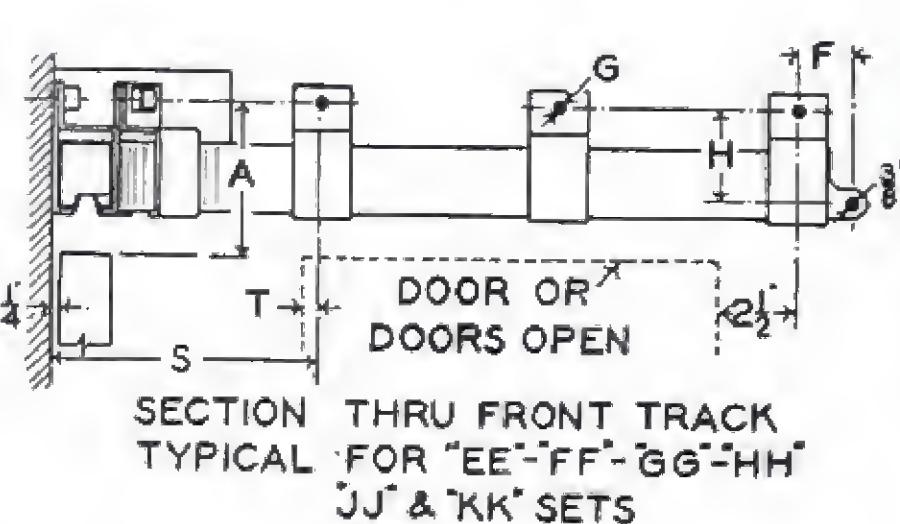
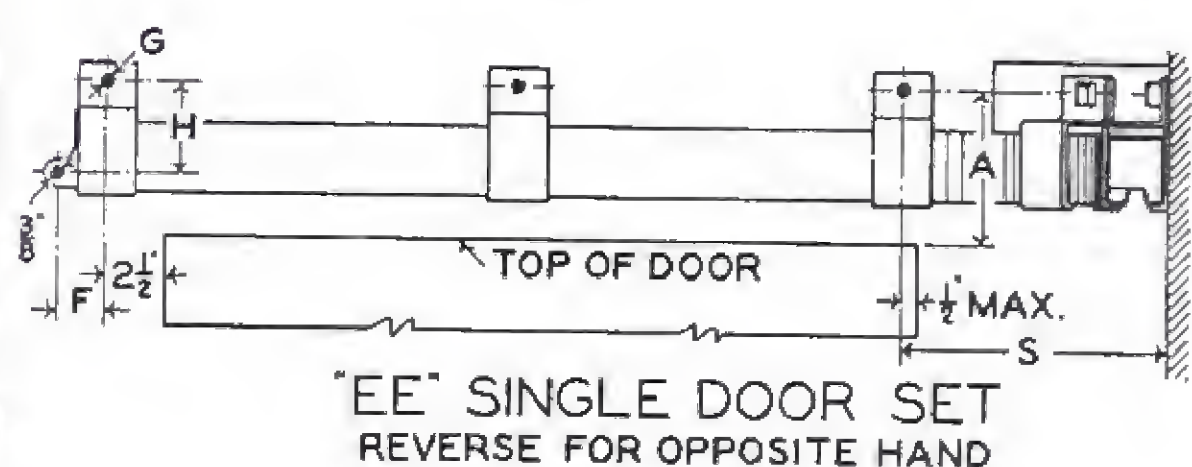
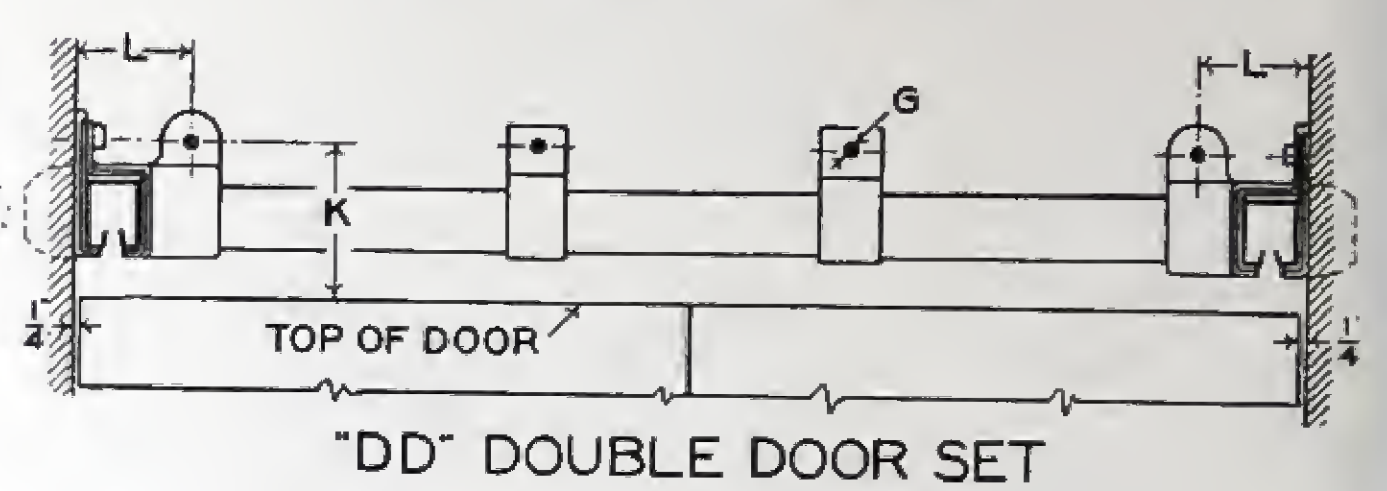
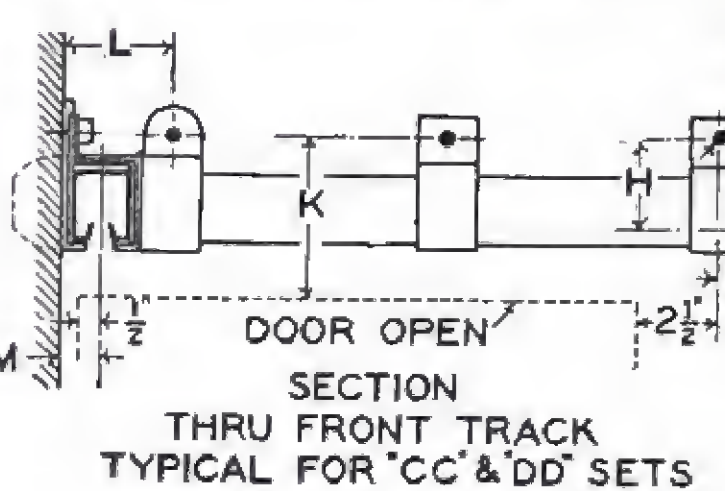
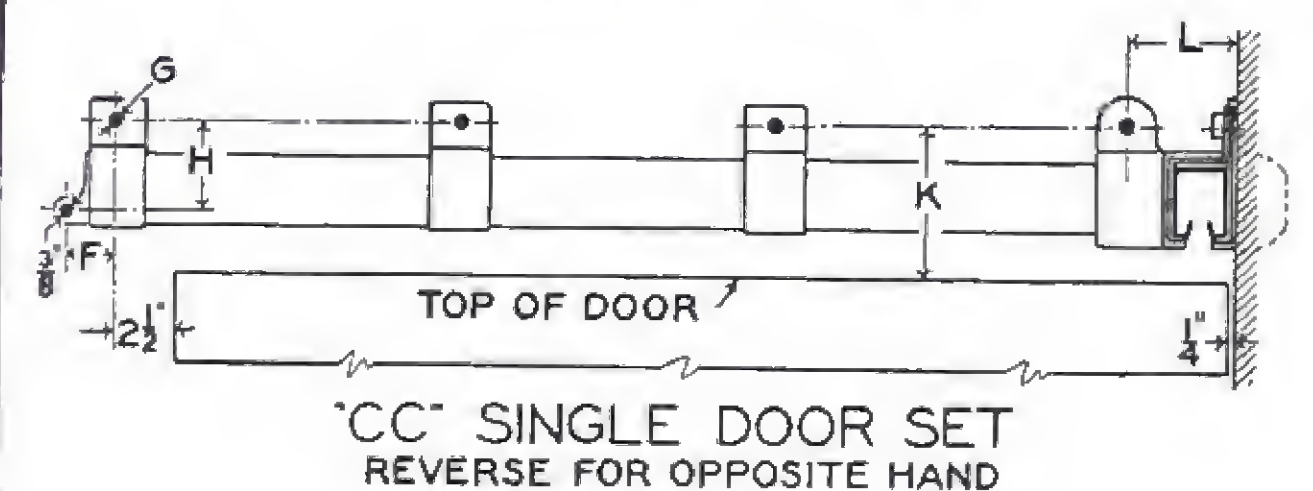
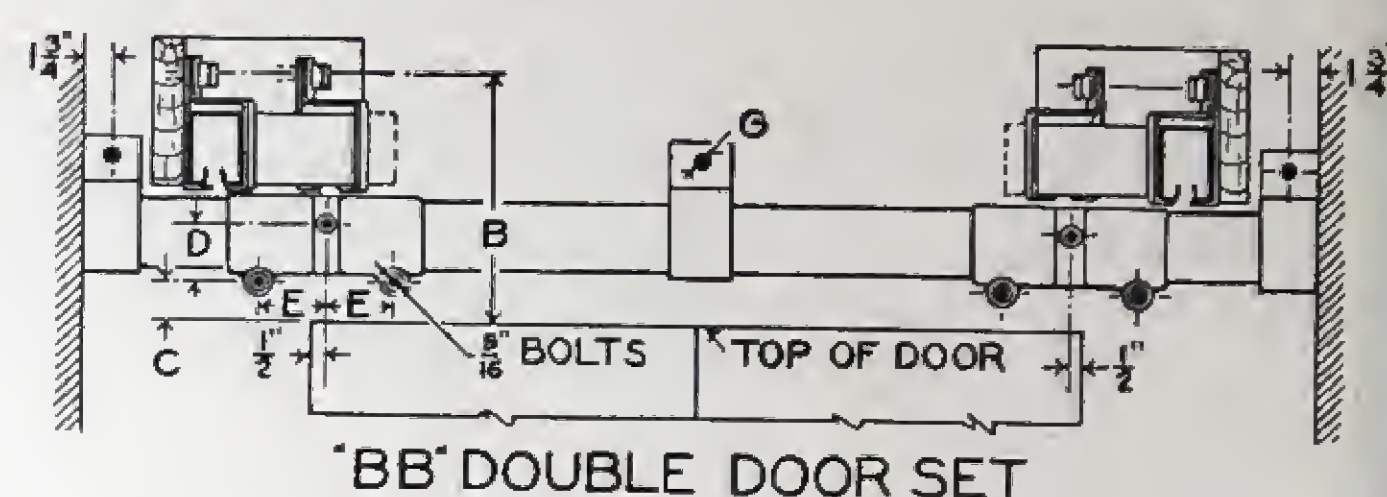
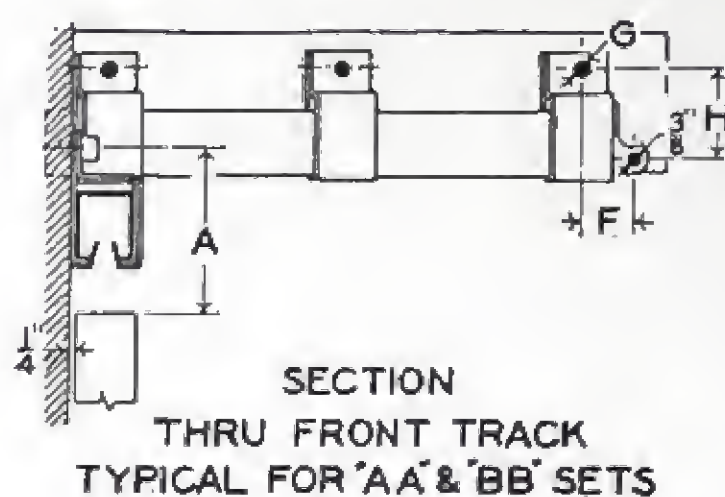
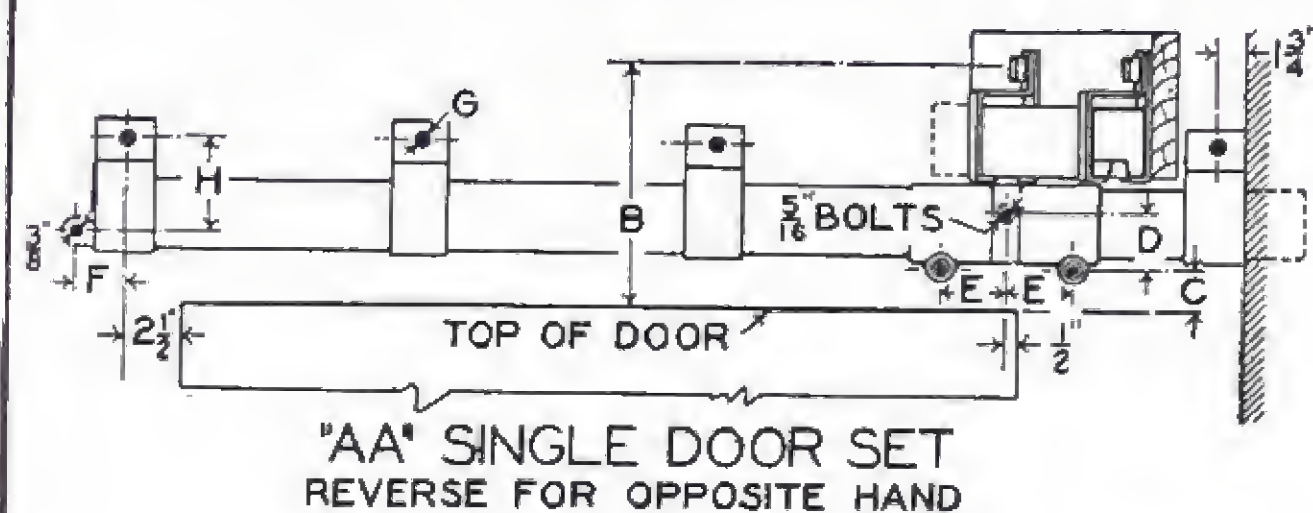


TABLE														
SIZE OF TRACK	A	B	C	D	E	F	G SIZE BOLT	H	K	L	M	S	T FOR EE GG-JJ SETS	T FOR FF HH-JJ SETS
31 & 35	5 3/4"	8 5/8"	1 1/4"	2 1/2"	2 1/4"	1 3/4"	1/2"	3 1/8"	5 3/8"	3 3/4"	1 1/8"	25 1/8"	1 1/2"	1"
232	6 15/16"	11 1/16"	1 1/16"	3 5/16"	2 7/16"	2 1/8"	5/8"	2 7/8"	6 11/16"	3 3/4"	1 7/16"	25 1/2"	1 1/2"	1 3/8"
33	7 1/4"	11 1/2"	1 3/4"	3 1/2"	2 9/16"	2 5/16"	3/4"	3 3/16"	7"	4 5/8"	1 5/8"	25 5/8"	1 1/2"	1 3/8"

NOTE:- WHEN WORKING IN MINIMUM HEADROOM
FOR NO. 31 & 35 TRACK A = 5 1/8" - B = 8" - C = 5/8" - K = 4 3/4"
232 A = 6 15/16" - B = 10 5/16" - C = 1 1/16" - K = 5 13/16"
33 A = 6 1/2" - B = 10 3/4" - C = 1" - K = 6 1/4"

Fig. A-981

No. 107

New "Diamond N"
Expansion Shield



New "Diamond N"
Expansion Bolt



Note—For List Price see table below. Unless otherwise specified on order Long Standard Shields only will be sent.



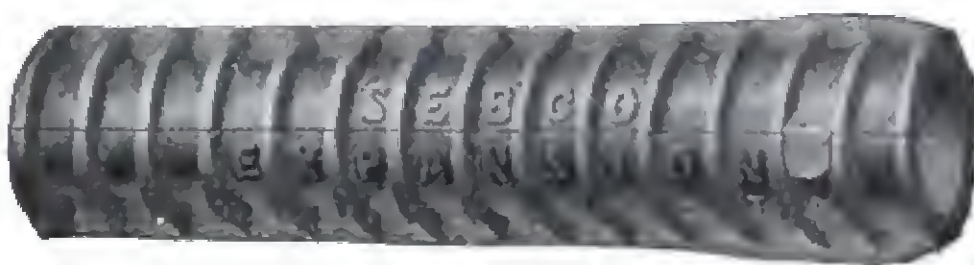
The illustration given here shows how to determine the measurements of the lag screw type with shield.

No. W-206

"Sebco" Expansion Shields



"Sebco" Expansion Bolts



Note—Unless otherwise specified on order Long Standard Shields only, will be sent.

List Price—No. 107 or No. W-206

Shields Only, per 100—Two-Part Malleable—Based on Diameter of Screw

Diameter of Lag Screw.....	$\frac{1}{4}$ inch	$\frac{5}{16}$ inch	$\frac{3}{8}$ inch	$\frac{7}{16}$ inch	$\frac{1}{2}$ inch	$\frac{5}{8}$ inch	$\frac{3}{4}$ inch	$\frac{7}{8}$ inch	1 inch
List Price, per 100.....	\$15.00	\$18.00	\$25.00	\$32.00	\$38.00	\$45.00	\$65.00	\$95.00	\$110.00
Length of Shield—Long Standard.....	1 $\frac{1}{2}$	2	2 $\frac{3}{4}$	3	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	5	5
Length of Shield—Short Standard.....		1 $\frac{1}{2}$	2	2	2	2	2		
Outside Diameter of Shield.....	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Diameter of drill required for No. 107.....	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1 $\frac{1}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$
Diameter of drill required for No. W206.....	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{3}{8}$

Discount.....

Note—In ordering state whether Diamond N or Sebco Shields are wanted, also specify by number, stating size and if Long or Short Standard are desired.

Instructions for Using

No. 107 and No. 206 Expansion Shields and Bolts

Drill a hole the same size as the given outside diameter of the shield to be used, place the shield in the wall and set well back.

Run the screw through the material or article to be fastened, then into the inserted Shield and fasten tight.

Locks and Latch with Two Handles

For Garage Entrance Doors

The two locks and one latch shown on this page are especially adapted for locking the swinging entrance door in Slidetite installations (page 4) and also for locking the swinging entrance door in Round Runner installations (page 80).

Each lock is furnished with two handles with latch thumb lift as shown in the illustration of the No. 550 lock, one handle for each side of the door.

R-W No. 550 Cylinder Lock. This cylinder lock is furnished with two handles, latch thumb lift and two keys as illustrated. It is made with one cylinder for locking doors from outside only; or with two cylinders for locking doors from both sides. The face of the lock and the cylinders are made of solid polished bronze. The mortise case is finished in black japan and is $5\frac{1}{2}$ inches high, $3\frac{3}{4}$ inches deep, $\frac{3}{4}$ inch thick. The face of the lock is $7\frac{3}{4}$ inches long by $1\frac{1}{4}$ inches wide. The distance from the face of the door to the center of the handle is $2\frac{3}{4}$ inches.

Handles are finished in polished brass or black japan.

Packed one lock in metal-edged carton.

Note—In ordering this lock, state thickness of door so that we may furnish cylinder of proper length.

List Price

	List Price	Shpg. Wt.
One No. 550 Cylinder Lock, complete with one cylinder and polished brass handles.....	\$24.00	5 lbs.
One No. 550 Cylinder Lock, complete with one cylinder and black japanned handles.....	20.00	5 lbs.
One No. 550 Cylinder Lock, complete with two cylinders and polished brass handles.....	30.00	5 lbs.
One No. 550 Cylinder Lock, complete with two cylinders and black japanned handles.....	25.00	5 lbs.

R-W No. 450 Three-Tumbler Lock. Locks door from both sides. Furnished with two black japanned handles same as shown in illustration of No. 550 lock, latch thumb lift and two flat bit keys. Solid bronze latch and bolt.

Mortise case, black japan finish, 4 inches high, $3\frac{1}{8}$ inches deep, $\frac{11}{16}$ inches thick. Distance from face of door to center of handle $2\frac{1}{8}$ inches. Face of lock $6\frac{1}{2}$ inches long by $1\frac{1}{8}$ inches wide.

Packed one lock in metal-edged carton.

	List Price	Shpg. Wt.
One No. 450 Three-Tumbler Lock, complete.....	\$5.00	$4\frac{3}{4}$ lbs.

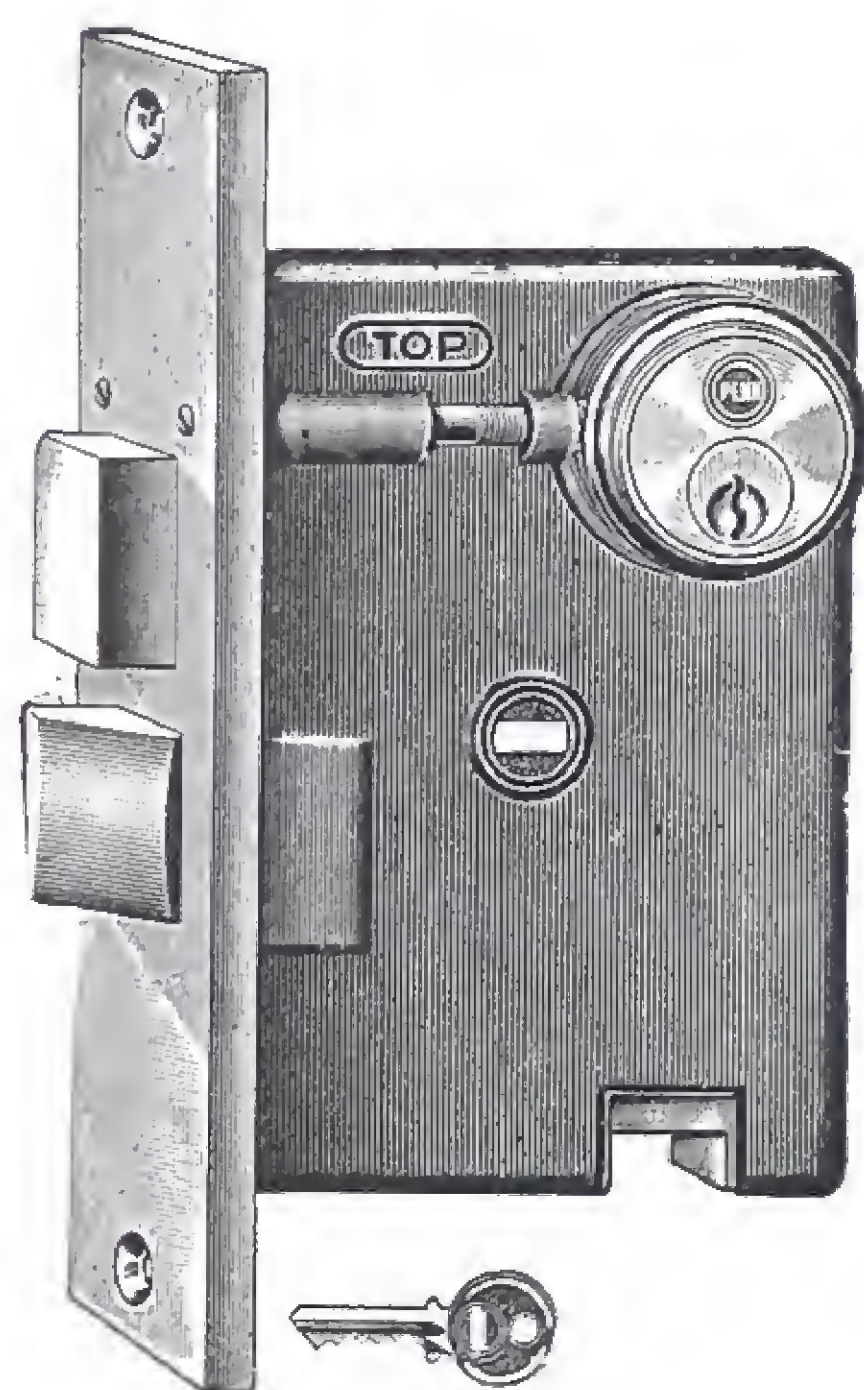
R-W No. 350 Latch. Black japan finish. Furnished with two handles and latch thumb lift as shown in illustration of No. 550 lock.

Mortise case $2\frac{3}{4}$ inches high, $2\frac{3}{4}$ inches deep, $\frac{11}{16}$ inch thick. Face plate $4\frac{1}{2}$ inches long by 1 inch wide. Distance from face of door to center of handle $1\frac{3}{4}$ inches.

Packed one latch in metal-edged carton.

	List Price	Shpg. Wt.
One No. 350 Latch, complete.....	\$3.00	4 lbs.

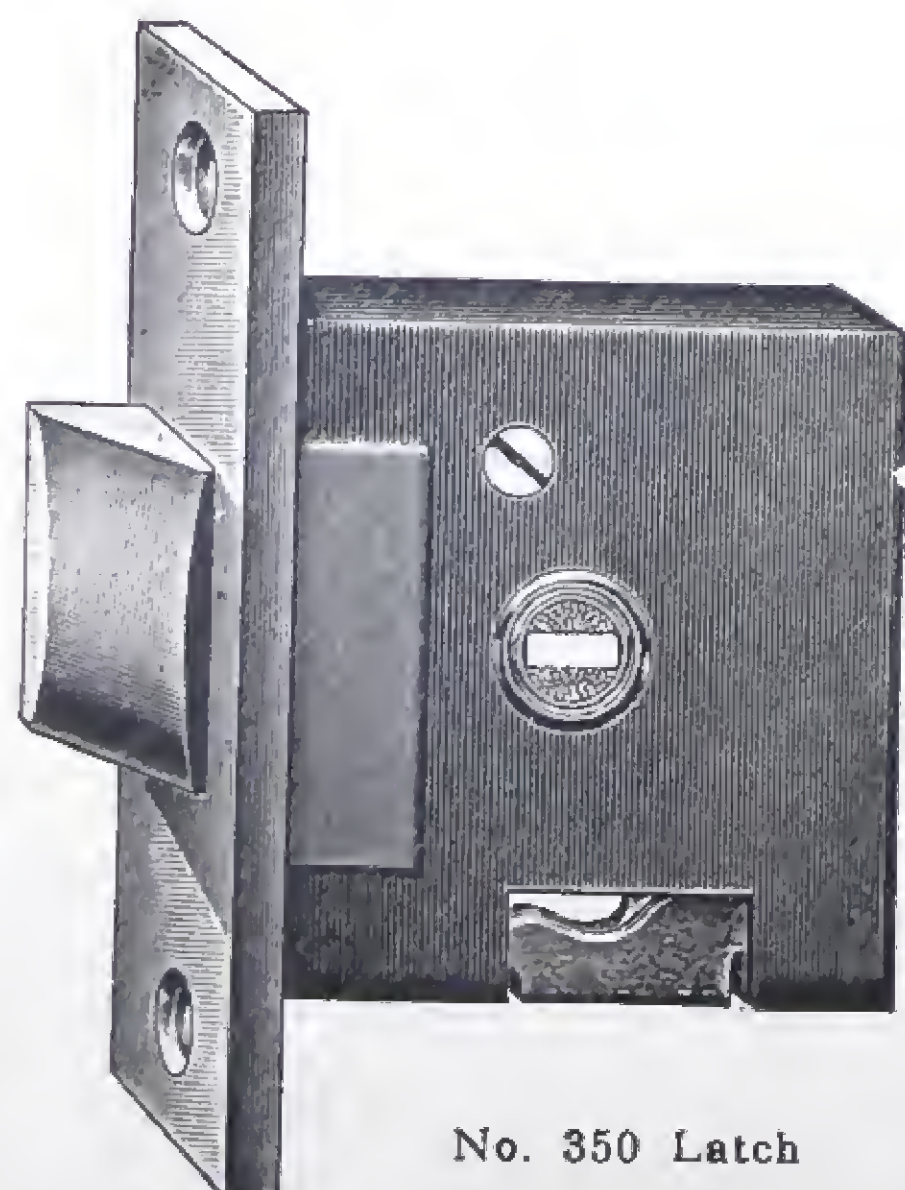
Discount.....



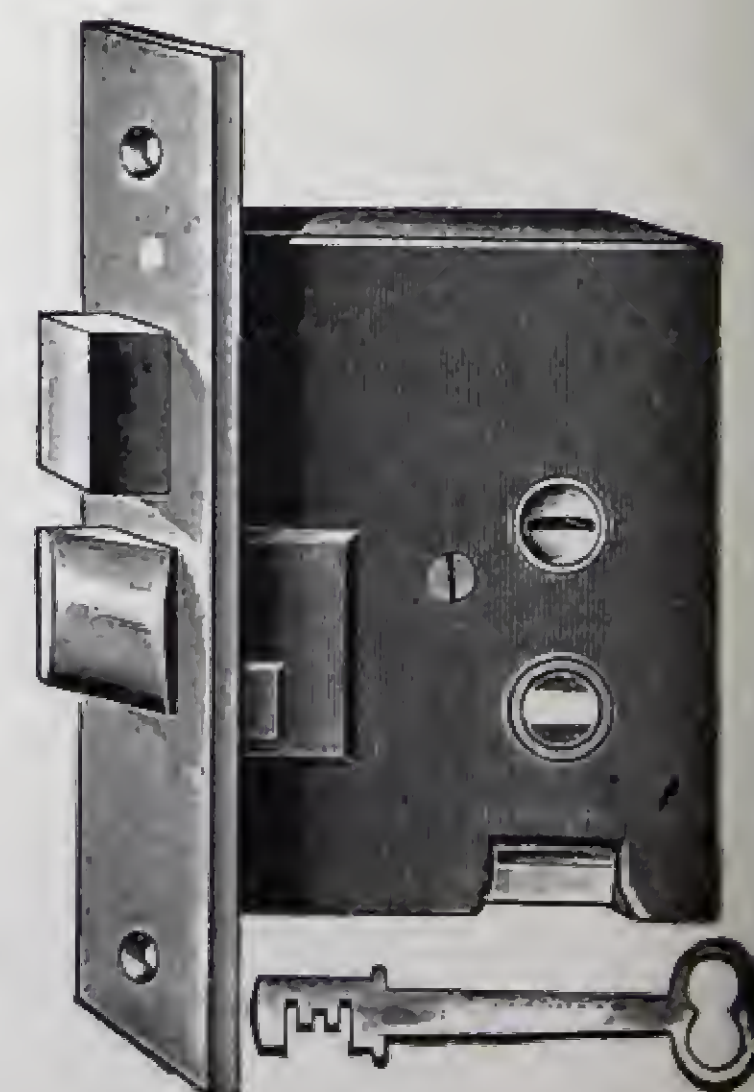
No. 550 Cylinder Lock



No. 550
Handles and Lock Installed



No. 350 Latch



No. 450 Tumbler Lock

R-W No. 525

“Faultless” Sliding Door Lock

For Garages, Stables, Warehouses, Factories, Etc.
For Both Single and Double Doors

Made of steel and malleable iron.

For sliding doors, $1\frac{3}{4}$ inches thick or thicker, also suitable for right angle doors. Twenty-eight changes of keys. Lock, latch and flush door pull combined. Operated from either side of door. For single or double doors. Latch is released and door pulled open by same movement.

Latch piece and trip made of malleable iron. Steel flush cups. Steel keeper plate.

Mortise case, $4\frac{3}{4}$ inches high by $3\frac{3}{4}$ inches wide by $\frac{7}{8}$ inch thick.

Finish, regular, rustless dead black. Other finishes can be furnished on application. Write for prices.

Packed, one lock in metal-edge box, complete with screws and template for setting lock. Weight, 45 pounds per dozen.

List Price

No. 525 Lock, regular finish, dead black, per dozen\$37.50

Discount

Note—When used on Straight Sliding Doors, the maximum lap of the door over the jamb is $1\frac{1}{4}$ inches.

This lock is especially adapted to lock No. 235 SlydaSyde doors mounted on straight tracks, only, as Sets AA and BB illustrated on pages 49 and 51.

On such installations, the locks are set into the jambs instead of into the doors, and are operated from the outside only. The maximum lap of the door over the jamb is $1\frac{1}{2}$ inches.

R-W No. 510

“Nobreak” Sliding Door Lock

For Garages, Stables, Warehouses, Factories, Boat Houses, Etc.
For Both Single and Double Doors

Made of steel with malleable jaws.

The “Nobreak” Lock is made flush with the door on both sides and can be operated from both outside and inside. The act of closing the door latches it, and to unlatch it simply press back the hand-hole or flush pull cover with the fingers. The key is used only to lock or unlock the door. To latch or unlatch no key is necessary, the action being automatic with the opening or closing of the door.

The use of the blind screw studs on the outside makes lock practically burglar-proof. They are reversible, for either right or left-hand doors, single or double.

The “Nobreak” serves as a lock, latch, and door pull combined. The door, not the lock receives the blow when door strikes jamb. There are no projections on which to catch harness or clothing.

Maximum lap over jamb is $2\frac{1}{2}$ inches.

No. 1 size adjustable for doors, $1\frac{3}{4}$ to $2\frac{1}{4}$ inches; No. 2, $2\frac{1}{2}$ to 3 inches thick. Width of lock, $5\frac{1}{8}$ inches.

Packed one in metal-edge box, complete with screws, strike plate for doors, two keys and template for setting lock.

Special strike furnished for double doors. Keys are numbered for twelve changes to each dozen locks. On panel doors outer stiles should be 6 inches wide. Weight, 75 pounds per dozen.

List Price

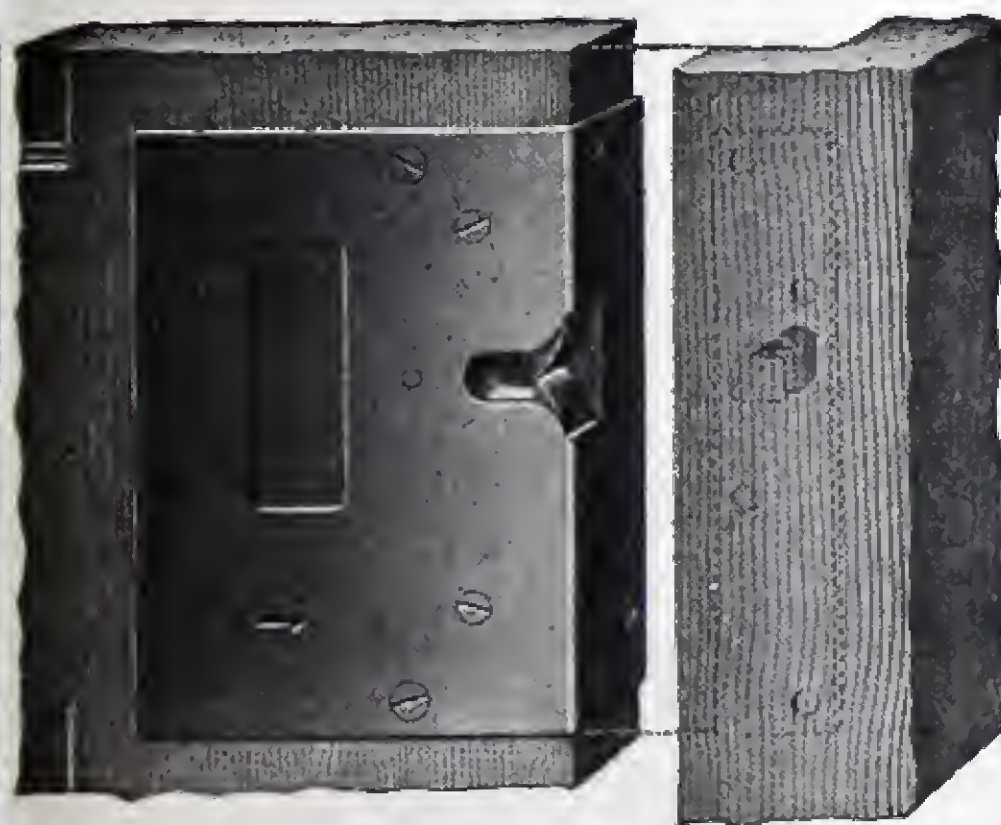
No. 510 No. 1 or No. 2 Lock, regular finish, dead black, per dozen\$42.50

Note—Locks sent for single doors in No. 1 size, unless otherwise specified.

Discount



PATENTED

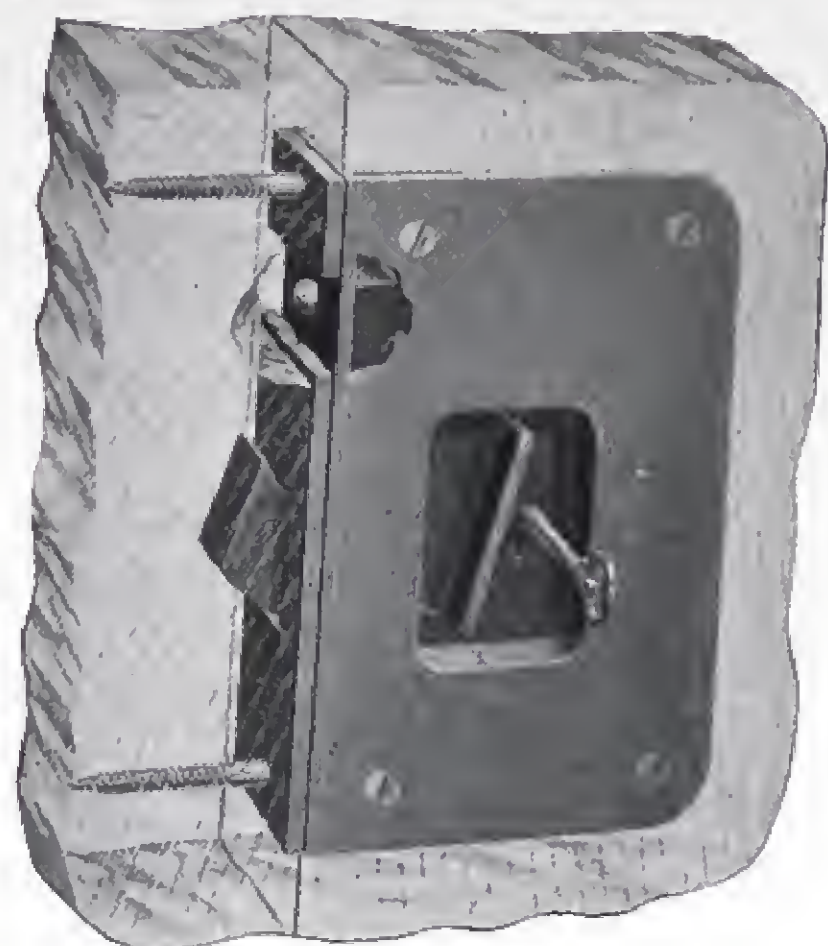


PATENTED

R-W No. 825

Patented

Sliding Door Lock



No. 825-1

This lock is made for sliding doors which are $1\frac{3}{8}$ inches thick or thicker. Maximum thickness of door, $2\frac{1}{2}$ inches. Twenty-eight changes of keys. Lock, latch and flush door pull combined. Is regularly furnished with flush cup for opposite side of door. For single or double doors. Latch is released and door pulled open by same movement.

Especially recommended for use in locking SlydaSyde Garage Doors, as sets CC and DD illustrated on pages 53 and 55 show. The lock is then set into the jamb instead of into the door and is operated from the outside only. Minimum lap of door over jamb is $1\frac{1}{8}$ inches. Minimum width of jamb $2\frac{3}{8}$ inches for No. 31 Track, $2\frac{5}{8}$ inches for No. 232 Track and $2\frac{7}{8}$ inches for No. 33 Track. Maximum lap over jamb on Straight Sliding Doors is $1\frac{1}{4}$ inches.

Latch-piece and trip made of malleable iron. Steel case and door plate. Mortise case, $4\frac{3}{4}$ inches high by $3\frac{3}{4}$ inches wide by $\frac{7}{8}$ inches thick. Finish: Rustless dead black. Packed one lock in metal-edge box, complete with screws and template for setting lock. Weight per dozen, 45 pounds.

List Price

No. 825-1 Sliding Door Lock, finish dead black, per dozen.....\$30.00

Discount.....

R-W No. 417

Top and Bottom Bolt

A Very Simple, Effective, Substantial
Garage Door Bolt

The locking device consists of top and bottom spring bolts connected by chains, with an operating handle in the center of the door. Sufficient chain is furnished for doors up to 9 feet high. Extra bottom keeper furnished so that doors may be locked when in open position. Packed one in box.

List Price

No. 417 Top and Bottom Bolt. Shipping weight, $3\frac{1}{2}$ lbs., each.....\$3.40

Discount.....

R-W No. 435

Tie Rod with Pintle and Pin

Nos. 435-1, 2, 3 and 4 Tie Rods are made with an eye to take a $\frac{3}{8}$ inch pintle pin, and are furnished with pintles A or B as requested. Pintle A is used when doors are mounted with butts and pintle B is used when doors are mounted with reversed pad hinges similar to our No. 311, illustrated on page 128.

Nos. 435-11, 12, 13 and 14 Tie Rods are furnished with eyes to take a $\frac{1}{2}$ inch pintle pin. Pintles and pintle pins are not furnished. These sizes are designed especially for use with our 1035 Hinges, illustrated on page 130

List Prices

No. 435-1—Tie Rod, 34 inches long, with pintle (A or B) and pintle pin, complete.....	\$1.30
No. 435-2—Tie Rod, 42 inches long, with pintle (A or B) and pintle pin, complete.....	\$1.50
No. 435-3—Tie Rod, 51 inches long, with pintle (A or B) and pintle pin, complete.....	\$1.70
No. 435-4—Tie Rod, 59 inches long, with pintle (A or B) and pintle pin, complete.....	\$1.90
No. 435-11—Tie Rod, 34 inches long, without pintle or pin, complete.....	\$1.30
No. 435-12—Tie Rod, 42 inches long, without pintle or pin, complete.....	\$1.50
No. 435-13—Tie Rod, 51 inches long, without pintle or pin, complete.....	\$1.70
No. 435-14—Tie Rod, 59 inches long, without pintle or pin, complete.....	\$1.90

Discount.....



No. 435



No. 417

R-W No. 414

Self Aligning Top or Bottom Spring Bolt

Designed especially for garage or warehouse use. Can be used on sliding doors, right angle doors, sliding-folding doors, or hinged doors swinging in or out. Made entirely of steel.

Made in two sizes: No. 414-1 for medium size doors; No. 414-2 for large and heavy doors. Both sizes are operated by a steel rod. For the larger size the rod is made in two sections for convenience in packing in a shorter box. A two-foot extension can be furnished when bolt is used on the top of extra high doors. These are not furnished regularly, however, and if desired, must be specified in order.

The end of the bolt proper is pointed so that it will easily enter the hole in the keeper, even if the door is a little out of line. The spring is strong enough to force the bolt into the keeper under ordinary conditions, but it can also be pushed in when necessary.

The guide bracket is also a hold open bracket. By giving the loop handle one-quarter turn and catching it beneath the vertical flange of guide bracket, bolt is held in retracted position.

No. 414-1 Dimensions

Housing, $4\frac{5}{8}$ " long. Bolt proper, $\frac{3}{4}$ " in diameter. Rod, $\frac{5}{16}$ " in diameter. Length overall, 26". Weight, $2\frac{3}{4}$ lbs. each.

No. 414-2 Dimensions

Housing, 9" long. Bolt proper, $\frac{1}{8}$ " in diameter. Rod, $\frac{3}{8}$ " in diameter. Length overall, 36". Weight, $3\frac{1}{2}$ lbs. each.

Packed one in a box, with two keepers and necessary screws.

List Price

No. 414-1—Top or Bottom Spring Bolt, black enamel finish, per dozen.....	\$12.75
No. 414-1—Top or Bottom Spring Bolt, galvanized finish, per dozen.....	15.60
No. 414-2—Top or Bottom Spring Bolt, black enamel finish, per dozen.....	21.25
No. 414-2—Top or Bottom Spring Bolt, galvanized finish, per dozen.....	28.35
Two-Foot Extensions, black enamel finish, each.....	1.15
Two-Foot Extensions, galvanized finish, each.....	1.40

Discount.....

R-W No. 517

Garage Cremone Bolt

Patented

Locks doors at both top and bottom with one movement of the lever handle.

So constructed that when bolted or unbolted the ends of connecting rods, where attached to the lever handle, are off center so that bolt maintains its position by gravity and cannot be changed except by moving the lever handle.

Connecting rods are made in sections so that the entire bolt can be packed in a convenient sized box.

Made in one size, for doors up to 9 feet high. Extra sections 18 inches long can be furnished for higher doors. Center handle and lever housing is $3\frac{5}{8}$ inches wide, top and bottom bolt housings are $2\frac{3}{4}$ inches wide and $5\frac{1}{2}$ inches long.

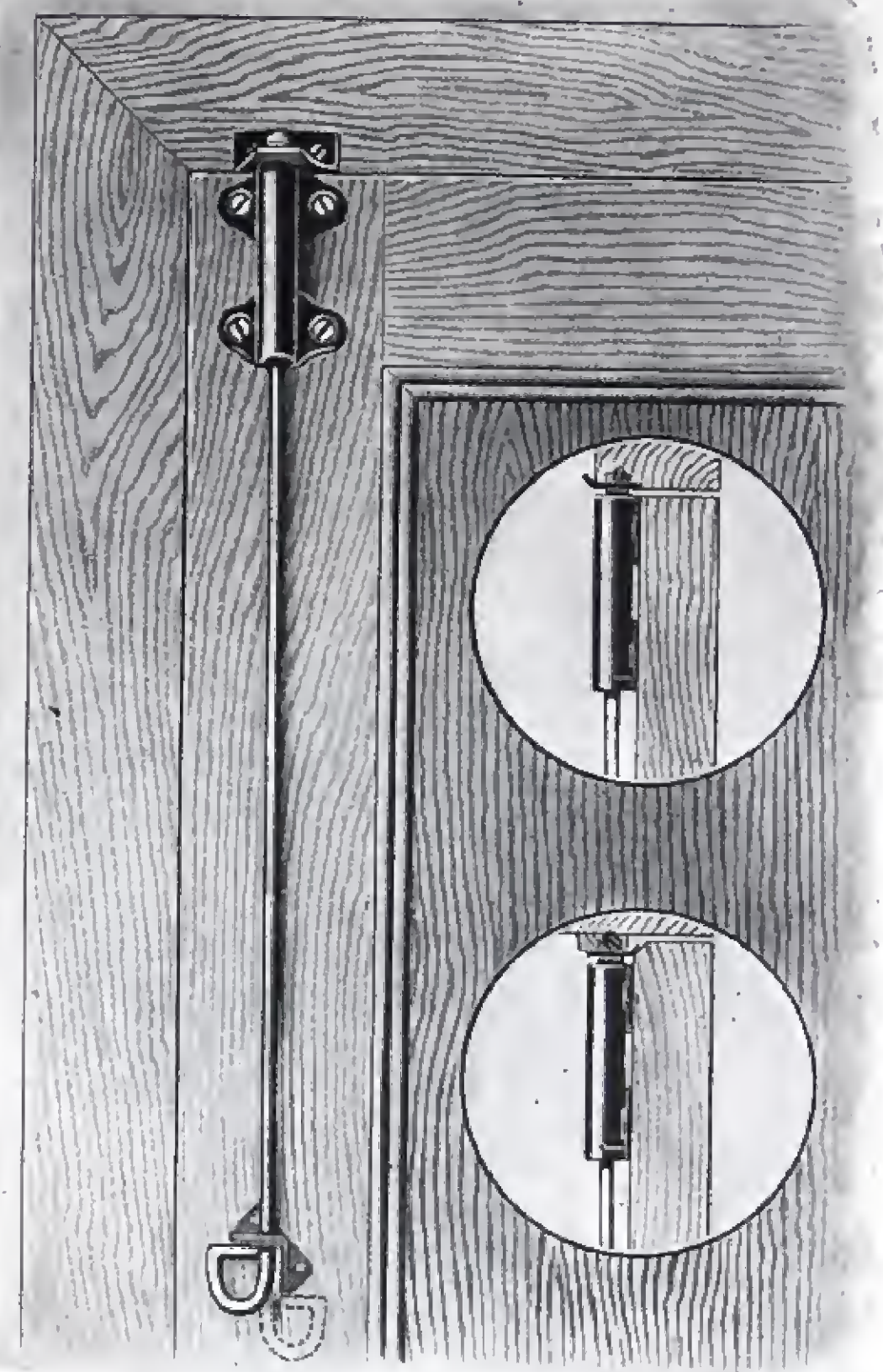
Packed regularly with screws and top and bottom keeper in metal edged box 21 inches long. The Patented Bottom Keeper is made with a lug against which the outside surface of the door strikes so that the bolt will always be in line with the opening in the keeper when the door is pushed tightly shut. Adjustable for different thicknesses of doors. These adjustable keepers can only be used with In-Opening Doors. Extra Flat Bottom Keeper is furnished so that the doors may be locked in open position. Where doors Open Out two flat Bottom Keepers are furnished.

List Price

No. 517 Bolt, adjustable for doors up to 9 feet high. Weight, each 10 lbs.....	\$5.60
Extra Section, 18 inches long. Weight, each 1 lb.....	.80

Discount.....

Directions for Ordering—State the following: First—Height of door. Second—Whether sliding or swing door. Third—If swing door, does same overlap jamb or set in flush? Fourth—Whether doors swing in or out.



No. 414 Self-Aligning Spring Bolt
Used at Top of Door



No. 414 Self-Aligning Spring Bolt
Used at Bottom of Door



No. 517 Garage Cremone Bolt

R-W No. 617

Garage Cremone Bolt

Patented

A simple, substantial, convenient and ornamental Cremone door bolt particularly designed for use on garage doors equipped with "Slidetite" folding-sliding garage door hardware, or garage doors hung on hinges.

The No. 617 Bolt is made in three principal sections; the center or locking section, and the top and bottom or adjustable bolt sections—the three sections being united by ½-inch connecting rods.

The bolt will retain its position positively either locked or unlocked—cannot be opened by jarring. It is made of steel, finished in black enamel.

Complete bolt for single or double "Slidetite" or hinged doors swinging inside of building is packed regularly in a neat and compact metal-edged fibre-board box 20½ inches long. Bolt as regularly packed is adjustable for doors up to 10 feet high. Extra sections 18 inches long furnished as ordered for higher doors. The bolt can be applied to doors with stiles as narrow as 3½ inches.

The patented Bottom Keeper is made with lug against which the outside surface of the door strikes so that the bolt will always be in line with the opening in the keeper when the door is pushed tightly shut. Adjustable for different thicknesses of doors. May only be used with In-Opening Doors.

Two flat nonadjustable keepers are furnished where doors open out.

Extra Flat Bottom Keeper included so that the doors may be locked in open position.

Movement of bolt is 1¼ inches in each direction. Twelve-inch adjustment is provided in top and bottom sections. Permanent adjustment is made when bolt is applied to the door.

The base plate of the center section is 12¾ inches long by 3⅜ inches wide. The base plate of top and bottom sections is 17½ inches long by 2⅞ inches wide. Maximum extension from surface of door is 2¾ inches.

List Price

R-W No. 617 bolt packed complete as above, adjustable for doors up to 10 feet high, shipping weight, 14½ pounds, each.....	\$9.50
Extra 18-inch sections for lengthening No. 617 bolt to accommodate higher doors, shipping weight, 1 pound, each.....	.80

Discount.....

R-W No. 1125 Lock

R-W 1125 Garage Door Lock, to be used in locking the No. 617 Door Bolt from the outside, is automatically adjustable for doors from 1¾ inches to 3 inches thick. Minimum width of door stile 4 inches. Size of plate 4 inches by 4½ inches. Maximum extension from face of door ⅝ inch. Fourteen changes of keys. Packed complete in metal edge box with screws and two keys. Made of steel, finished in black enamel.

List Price

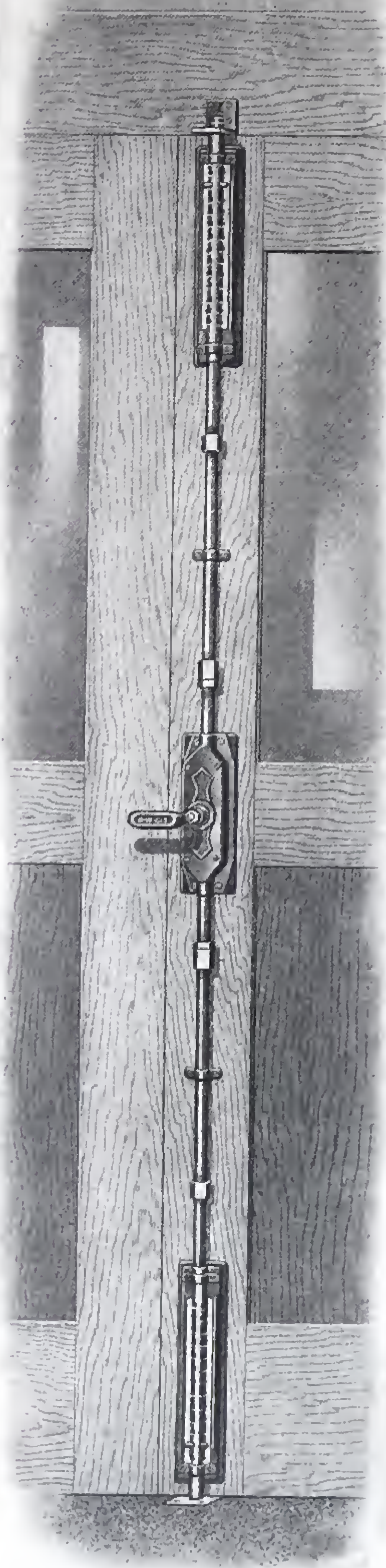
R-W No. 1125 Outside Lock for No. 617 bolt, packed complete as above, shipping weight, 1½ pounds, each.....	\$3.00
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Discount.....



Fig. A-983
No. 1125 Lock Applied

Fig. A-982
No. 617 Bolt Applied



R-W No. 514

Top or Bottom Spring Bolt

For Garage Doors

Spring Bolt, designed especially for garage use. Can be used on sliding doors, right angle doors, sliding-folding doors, hinged doors swinging in or out. Made in two sizes. Reversible.

No. 514-1—The Housing is made of steel $4\frac{1}{8}$ inches long. Bolt proper $\frac{3}{8}$ inch square end, and $5\frac{1}{2}$ inches long over all. Chain 24 inches long with ring attached to end.

No. 514-2—The Housing is made of heavy steel, 9 inches long. Bolt proper $\frac{3}{4}$ inch square end, and 10 inches long over all. Chain 36 inches long with ring attached to end.

Finish, black enamel. Packed regularly six in metal-edge box, complete with screws, two keepers, chain and clip for chain for each bolt.

Weight, per half dozen, No. 514-1, 7 lbs.

Weight, per half dozen, No. 514-2, 14 lbs.

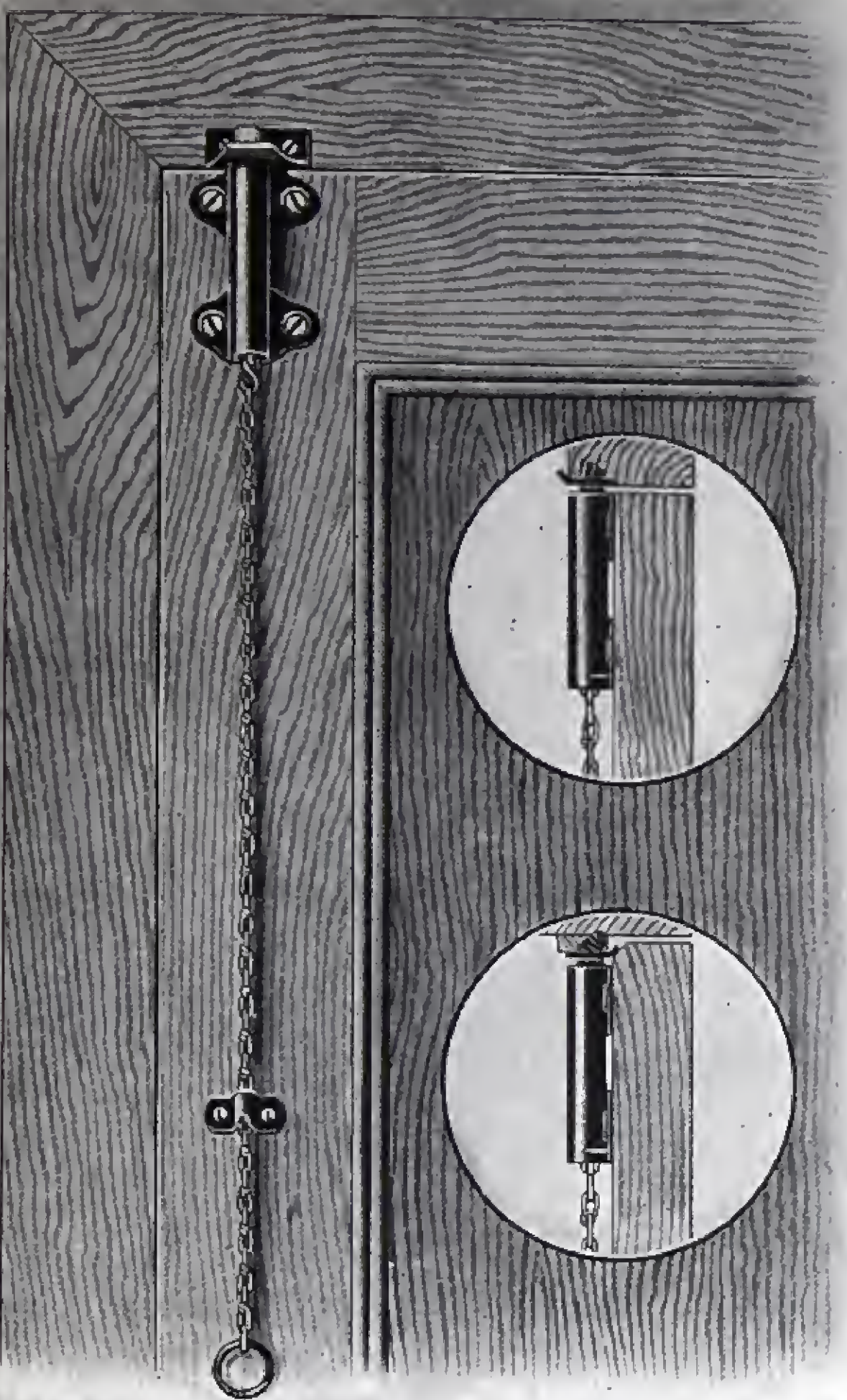


Fig. A-984

R-W No. 514—Used as Top Bolt, Showing Various Applications of Keepers

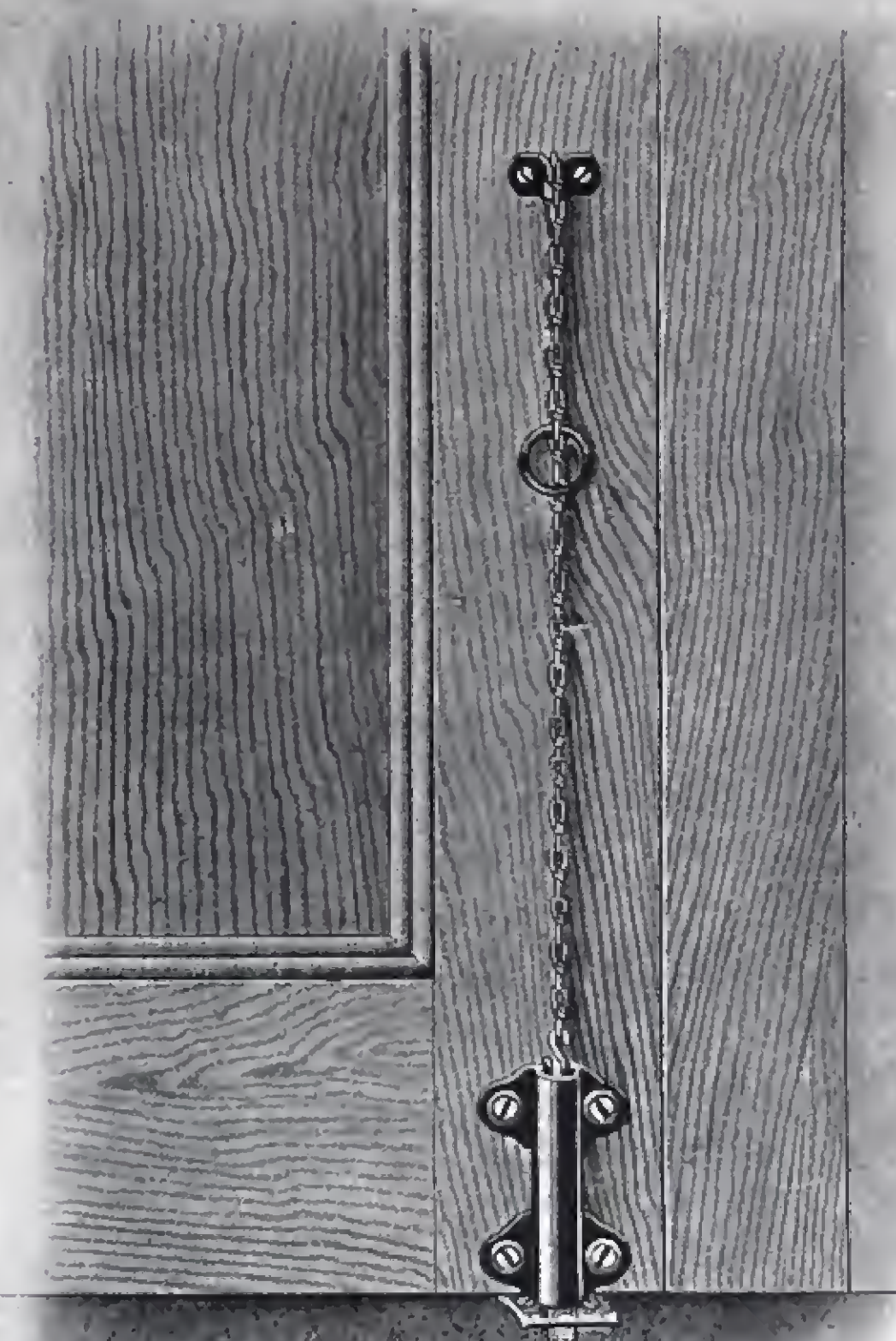


Fig. A-985

R-W No. 514—Used as Bottom Bolt

List Price

No. 514-1 Top and Bottom Bolt, per dozen	\$11.35
No. 514-2 Top and Bottom Bolt, per dozen	19.85

R-W No. 524

Bottom Cane Bolt

An extra heavy, all steel bottom bolt for garage or warehouse doors.

As shown in illustration, bolt drops by gravity when the handle is lifted out of the socket.

Can be used with Nos. 514 or 414 top bolts.

No. 1 size, $\frac{5}{8}$ inch diameter by 18 inches long.

No. 2 size, $\frac{3}{4}$ inch diameter by 24 inches long.

Finishes: black enamel and galvanized.

Packed two in metal-edge box with screws, keeper plates, brackets and guides.

Weight, each, No. 1, 3 lbs.; No. 2, $4\frac{1}{2}$ lbs.

List Price

	Black	Galv.
No. 524-1 Bottom Bolt, per dozen	\$10.80	\$14.00
No. 524-2 Bottom Bolt, per dozen	14.00	17.50

Discount



Fig. A-986

R-W No. 524

R-W No. 516

Parallel Door Bolt and Lock

Patented



Fig. A-987
Doors Open

Designed especially for garage doors operating on parallel track, but may be used on single doors by inserting keeper casting in the jamb on side wall.

This bolt can be used with No. 235 Garage Doors.

Made of malleable iron and steel.

Suitable for doors $1\frac{3}{4}$ to 3 inches thick.

Lock is inserted in the stile of door, the key or bolt passing entirely through the stile of door on the inside track and into the keeper in the stile of the outside door.

When used with single doors, this bolt passes into the keeper inserted in the jamb.

By turning the handle, doors are drawn together and held in that position by a stop lug resting in notched



Fig. A-988
Doors Locked

section on the lock plate. This prevents turning of bolt or same being removed or doors opened.

When used on the outside of building, a padlock can be attached, thus providing a combined bolt and lock.

Doors must lap each other or jamb at least 2 inches.

Finish, regular black enamel; other finishes furnished on application. Packed one in metal-edge box, complete with bolts and screws.

Weight, each, $3\frac{1}{2}$ pounds.

List Price

No. 516 Parallel Garage Door Bolt, regular finish, each \$2.50

Discount

R-W No. 616

Parallel Door Bolt

For locking parallel sliding doors from the inside only.

Made of malleable iron.

Reversible for right or left hand. Cup in which the lever is pivoted is mortised into one door of the pair, or into the jamb. Lever is held in place when door is unlocked by a spring clip.

Lugs on lever work on a cam shaped piece attached to the back edge of one door and the cam is so shaped that as the lever is drawn down, the doors are wedged together. When the lever is in horizontal position and the pivoted handle in the position shown on illustration, the doors are drawn as tight together as possible. Lever is stopped in the horizontal position by lug, so that it can not drop below this point.

Size of plate on flush cup, $8\frac{1}{4}$ inches high by $3\frac{1}{2}$ inches wide. Cup is $1\frac{3}{8}$ inches deep.

Suitable for doors $1\frac{3}{4}$ inches or more in thickness. Packed one in a box with screws.

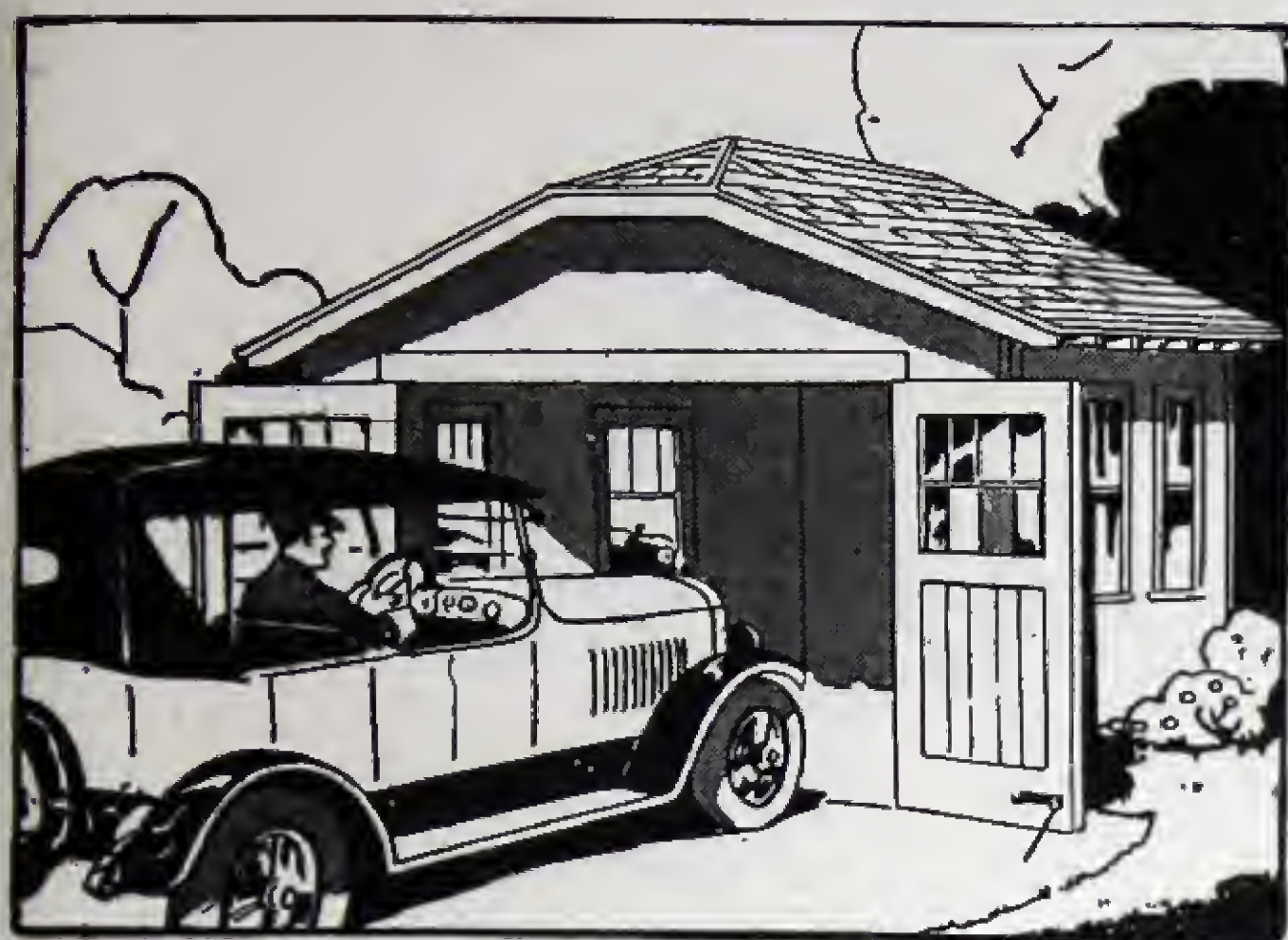
List Price

No. 616 Bolt, each \$2.85. Weight, 3 pounds

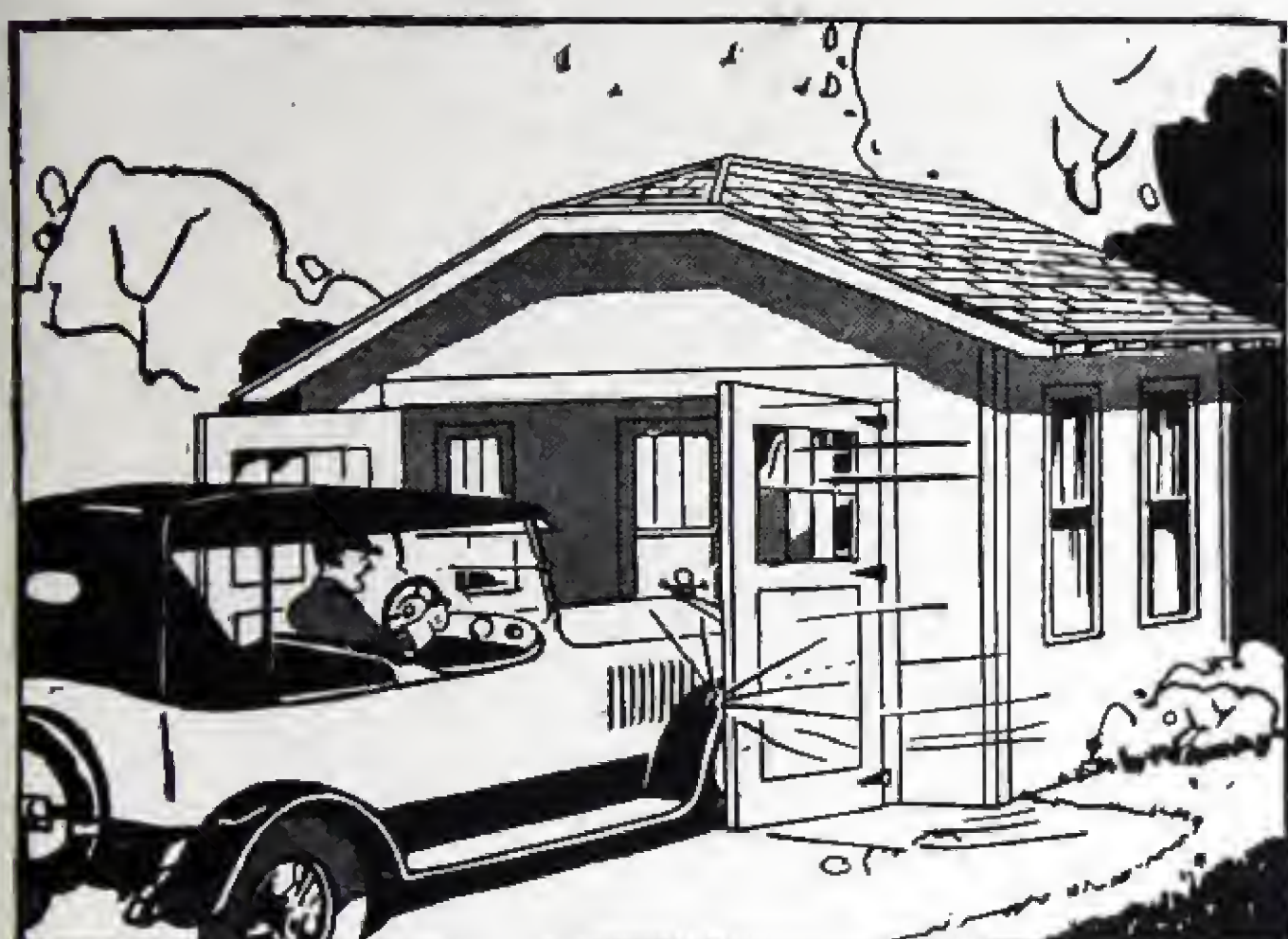


Fig. A-989—In Locked Position

Discount



With Door Dogs



Without Door Dogs

R-W No. 99 Door Dogs

This is the simplest and we believe the best swing door holder on the market. It can be applied by anyone in five minutes and will last a life time.

It is intended for garage, barn, shop and warehouse swing doors. When you want to keep the door open the point of the pin will stick into the floor, whether it is dirt, wood or concrete, and absolutely hold the door from closing. Wind or jarring can not disengage it, the pin will either be forced deeper into the floor or force the door still further open. It will not give an inch.



Fig. A-990

To close the door; lift the pin up with your foot and drop it into the slot and the door will swing shut.

Each pair is reversible and is packed in attractive individual paste board box, six boxes in "attention getter" paste board counter display carton. The carton is profusely illustrated. Open the carton, place on the counter and the carton will sell the Door Dogs. Retail at \$1.00 per pair. Black finish.

Weight per carton of six pair, 8 lbs.

List Price

No. 99 Door Dogs, 1 dozen pair (2 cartons) \$12.00

Discount

Table for Estimating (per square foot) the Weights of Garage Doors.

Kind of Wood	Thickness of Doors					
	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	3"
	Weight (lbs.) Per Square Foot					
White Pine	3	3 1/4	3 1/2	3 3/4	4	4 1/4
Yellow Pine	3 3/4	4 1/4	4 1/2	4 7/8	5 1/4	5 5/8
Cypress	3 3/8	3 3/4	4	4 3/8	4 5/8	5
Spruce	3	3 1/4	3 1/2	3 3/4	4	4 1/4
Fir	3 5/8	4 1/8	4 3/8	4 3/4	5 1/8	5 1/2

The above weights are based on panel doors with glass in the upper part and measuring 4x8 feet. Narrower doors will run slightly heavier per square foot.

R-W No. 54

Barn Door Stay Roller

Commonly used on inside sliding doors, where stay roller can be attached to floor. Wheel, grey iron, $2\frac{1}{2}$ inches diameter and covered with steel frame. Finish, black japan. Packed one dozen in metal-edge box. Weight, per dozen, $26\frac{1}{2}$ lbs.

List Price

No. 54 Stay Roller. Per dozen \$5.00

Discount

R-W No. 154

Heavy Warehouse Stay Roller

Especially designed for use on heavy Garage, Warehouse and Freighthouse doors. Extra heavy construction. Wheel protected on all sides except door side with heavy steel frame.

Wheel, grey iron, $3\frac{1}{2}$ inches diameter. Steel frame has screw holes slotted, providing a means for adjustment. Finish, black japan. Packed in bulk. Weight per dozen, 60 lbs.

List Price

No. 154 Stay Roller. Per dozen \$20.40

Discount

Nos. 71, 81 and 91 Bow Handles



No. 71 Bow Handle



No. 81 Bow Handle



No. 91 Bow Handle

No. 71—Bow Handles made of steel in two sizes: No. 1, 6½ inches long over all; No. 2, 7¾ inches long over all. Finish, black enamel. Bolt Holes register with Holes in No. 70 Flush Pulls. Packed one dozen in metal-edged box.

No. 81—Bow Handles made of grey iron in two sizes: No. 1, 6¼ inches long over all; No. 2, 8 inches long over all. Finish, black enamel. Packed one dozen in metal-edged box.

No. 91—Bow Handles are made of steel, in one size. 6⅞ inches long over all. Finish, black enamel. Holes are for screws and do not register with holes in No. 70 Flush Pull. Packed one dozen in metal-edged box.

List Price

No. 71-1 Bow Handle, weight each, 6 oz., each	\$.15
No. 71-2 Bow Handle, weight each, ½ lb., each	.25
No. 81-1 Bow Handle, weight each, ½ lb., each	.35
No. 81-2 Bow Handle, weight each, 1 lb., each	.55
No. 91 Bow Handle, weight, ¼ lb., each	.15

Discount

R-W No. 70 Flush Pulls



No. 70-1 Flush Pull, for doors up to 1¾ inch thick, weight each, 1 lb., each	\$.35
No. 70-2 Flush Pull, for doors more than 1¾ inch thick, weight each, 1¼ lbs., each	.40

Discount

R-W No. 170 Flush Drop Handle

Designed Especially for Use with Right Angle Garage Doors



These pulls are used with any sliding door where a secure grip is desired. Made of steel. Handle furnishes a secure grip and drops by gravity out of the way. Size of plate, 3¾ inches by 5¼ inches. Finished black enamel. Packed, one dozen in metal-edge box, complete with screws. Weight, 6½ lbs. per dozen.

List Price

No. 170 Flush Drop Handle, each	\$.50
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Discount

**R-W No. 372 Door Guide**

For use with flush and parallel garage doors. Holds the bottom of the door close to the wall in either open or closed position. Requires only working clearance between the doors. Suitable for use with concrete or wood floors. When used with concrete floors, base should be set into the concrete about $\frac{3}{4}$ -inch. End beveled to prevent injury to the door. One-fourth inch thick, 6 inches wide. Packed with screws.

List Price

No. 372 Door Guide, shipping weight, 1 lb., each..... \$.70

Discount.....

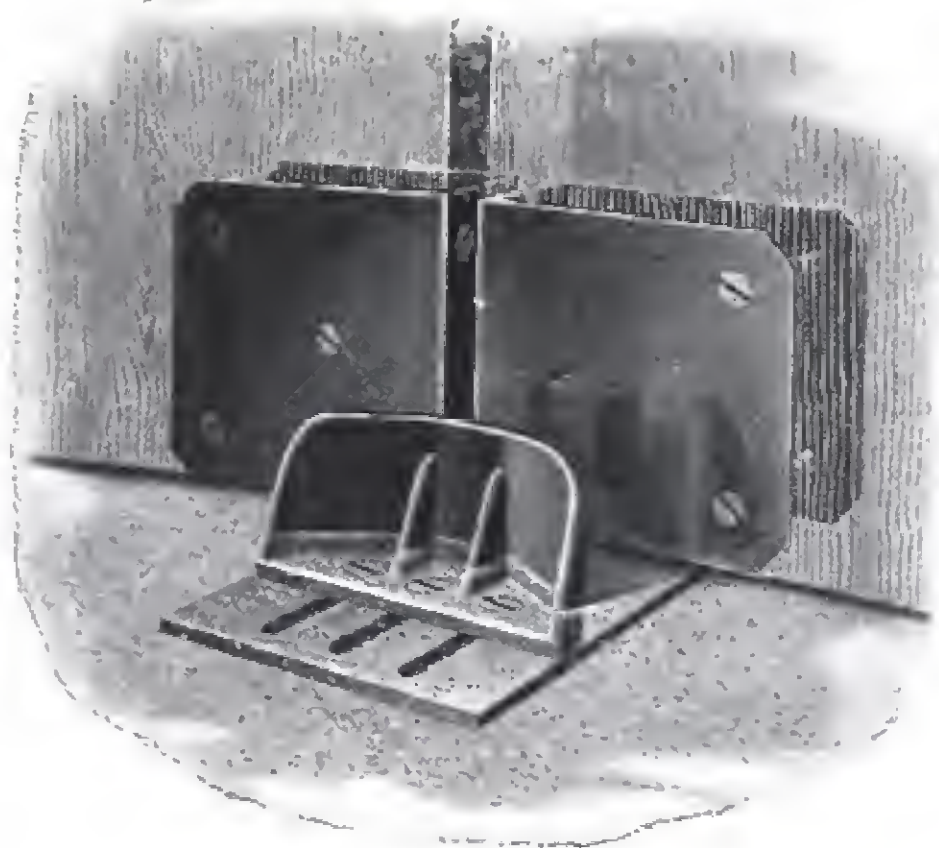
**R-W No. 171 Floor Center Stop**

Floor stop for use with pairs of sliding-doors. Can be fastened to floor or imbedded in concrete. Made of grey iron. Finish, black japan.

List Price

No. 171-2 for doors 2 inches thick, weight $3\frac{1}{2}$ lbs., each..... \$.70
No. 171-2 $\frac{1}{2}$ for doors 2 $\frac{1}{2}$ inches thick, weight $3\frac{3}{4}$ lbs., each..... .90
No. 171-3 for doors 3 inches thick, weight $4\frac{1}{2}$ lbs., each..... 1.05

Discount.....

**R-W No. 271 Adjustable Floor Center Door Guide**

For use with pairs of sliding garage doors. Guides the bottom of doors and holds same in place when closed. Made of steel and grey iron. Finish, black enamel.

Suitable for use with concrete or wood floors. When used with concrete floors, base should be set into the concrete about $\frac{3}{4}$ -inch.

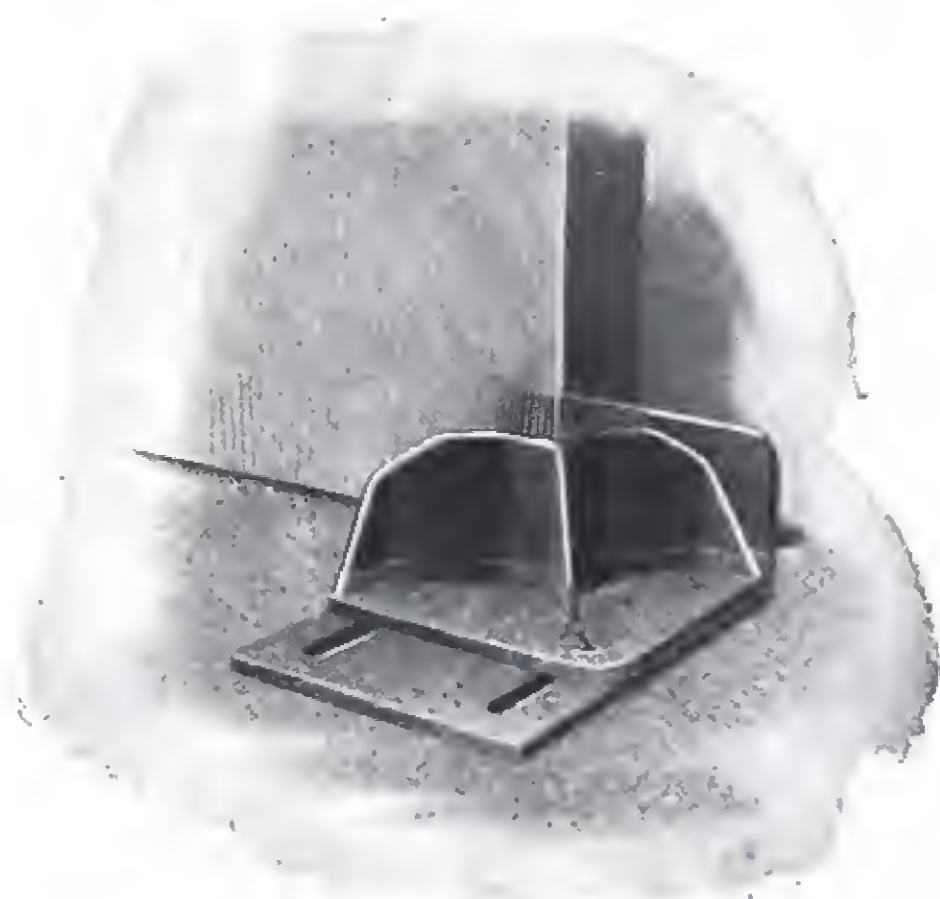
Adjustable for doors $1\frac{3}{4}$ to 3 inches thick. Weight, 3 lbs.

List Price

No. 271 Adjustable Floor Center Door Guide, with Screws, each..... \$.96
No. 435-72 Steel Bumper Shoe, each..... .14

Discount.....

Note—Two Bumper Shoes should be used on each corner of the door which contacts with the guide. Specify on order if same are desired.

**R-W No. 272 Adjustable Floor End Door Guide**

For use with sliding right angle or straight sliding garage doors. Holds the bottom of doors in position when either opened or closed. Made of steel and grey iron. Finish, black enamel.

Suitable for use with concrete or wood floors. When used with concrete floors, base should be set into the concrete about $\frac{3}{4}$ -inch.

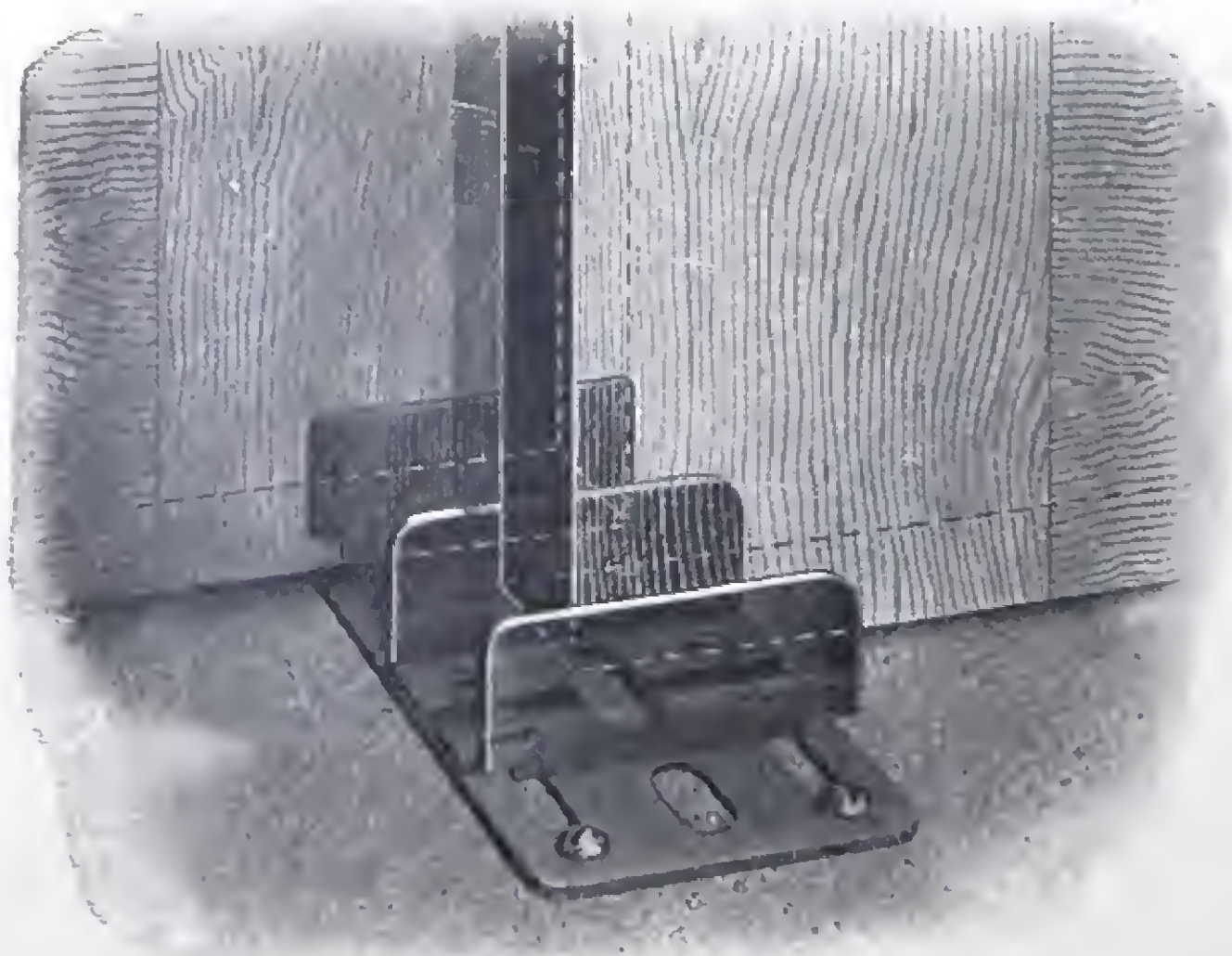
Adjustable for doors $1\frac{3}{4}$ to 3 inches thick. Weight $2\frac{1}{2}$ lbs.

List Price

No. 272 Adjustable Floor End Door Guide, with screws, each..... \$.85
No. 435-72 Steel Bumper Shoe, each..... .14

Discount.....

Note—Two Bumper Shoes should be used on each corner of the door which contacts with the guide. Specify on order, if same are wanted.

**R-W No. 172 Adjustable Parallel Door Floor Guide****Made in Two Sizes**

For use with parallel sliding doors. No. 1 size for double parallel doors, No. 2 size for triple parallel doors. Guides the bottom of the doors and prevents chafing. Finish, black enamel.

Suitable for use with concrete or wood floors. When used with concrete floors, base should be set into the concrete about $\frac{3}{4}$ -inch.

Adjustable for doors $1\frac{3}{4}$ to 3 inches thick.

Weight, No. 1, 5 lbs.; No. 2, 7 lbs. each.

List Price

No. 172-1 Adjustable Double Parallel Door Floor Guide, with screws, each... \$2.15
No. 172-2 Adjustable Triple Parallel Door Floor Guide, with screws, each... 3.55

Discount.....

R-W No. 736

Door Guide and Weather Strip

Helps Keep the Garage Warm

With this construction, door can be hung to clear floor, and the steel strip on door completely covers and protects the opening, also prevents doors from warping. Spread washers between side strips of lower guide, in floor, hold groove open. The clear openings in the groove between these spread washers allow water and dirt to drop between the floor strips and drain off through cinder bed.

Especially desirable for parallel doors; prevents their chafing. Made of heavy steel and can be set into concrete or wood floor. Finish, black japan. Steel door strip is 4 by $\frac{3}{16}$ inches; floor strips, $3\frac{1}{2}$ by $\frac{3}{8}$ inches. Bolts are spaced on 24-inch centers. Weight: Door Strip, per 100 feet, 250 lbs.; floor guide strips, 900 lbs.

Note—When ordering state: Thickness and width of door, whether single, double or triple parallel doors and width of opening. Always send floor plan.

List Price

No. 736—Door Guide and Weather Strip, complete, per foot..... \$1.65

Discount.....

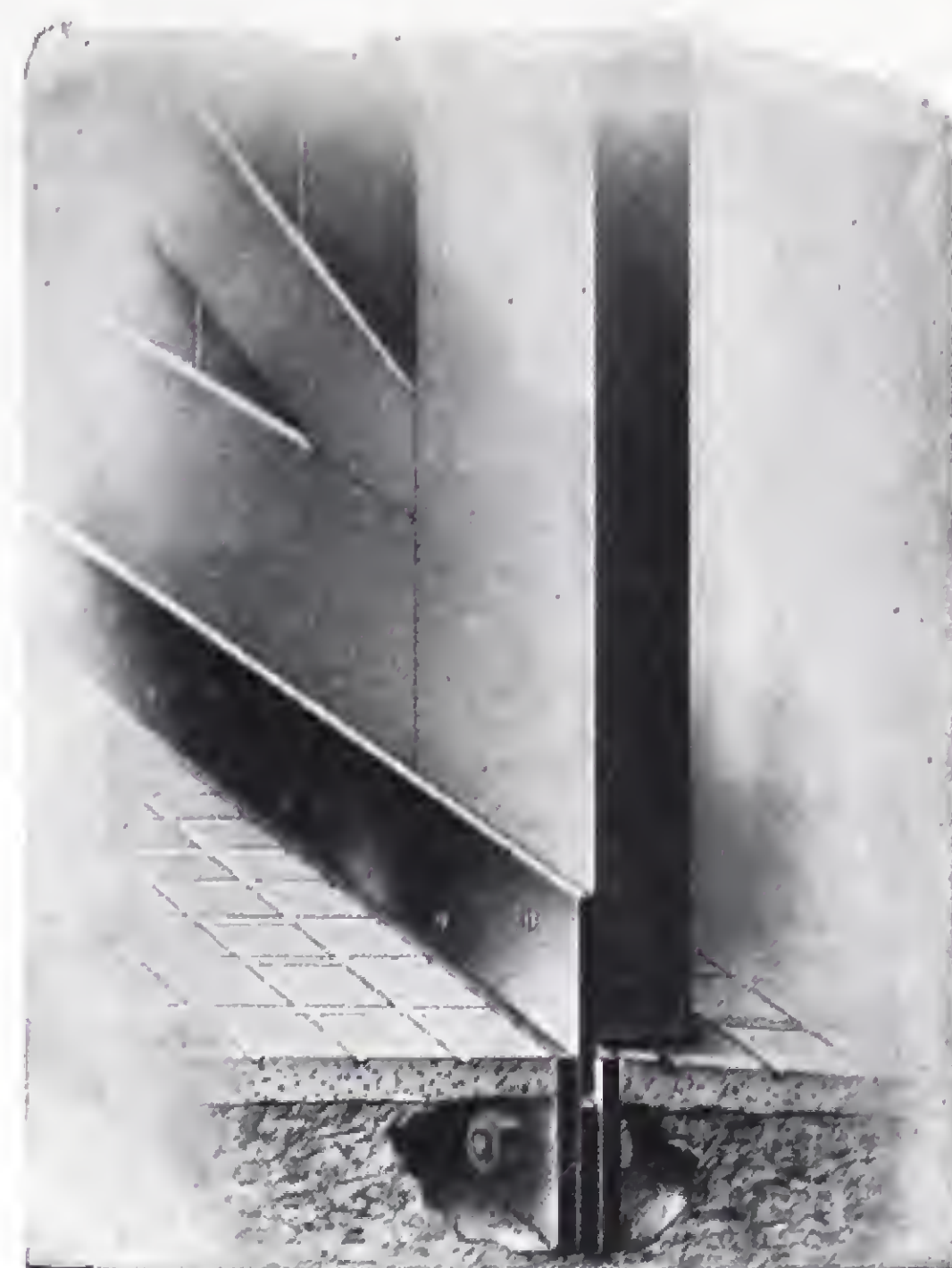


Fig. A-991—Showing No. 736 Applied

R-W No. 737

Door Guide and Weather Strip

This is the same as above but of lighter construction. Door strip, $3\frac{1}{2}$ inches by 10 gauge; floor strips, $3\frac{1}{2}$ by $\frac{3}{16}$ inches. Finish, black japan. Weight, door strip, per 100 feet, 150 lbs.; floor guide strips, 450 lbs.

When ordering state thickness and width of door, whether single, double or triple parallel doors and width of opening.

List Price

No. 737—Door Guide and Weather Strip, complete, per foot..... \$1.00

Discount.....

R-W No. 635 Floor Guide

The No. 635 Floor Guide can be advantageously installed in connection with some installations of "SlydaSyde" and "CornR-Wise" equipment where hardware is desired for holding the back edge of the door against the casing when it is closed.

This No. 635 Floor Guide Equipment consists of: (1) a guide, No. 635, F. G., mortised into the bottom of the door at the back edge; (2) grooved floor guide track, No. 635-TK, extending from the back edge of the door in closed position and following the line of the overhead track around the corner inside the building along the side wall to a point directly below the end of the door hanger track, including (3), Floor Guide Corner Curve, No. 635-C, of the same radius as the overhead track curve, with which it runs in juxtaposition.

Where two doors hinged together slide in the same direction, the floor guide installation is the same as for one door, the equipment being identical with that stated in the above paragraph.

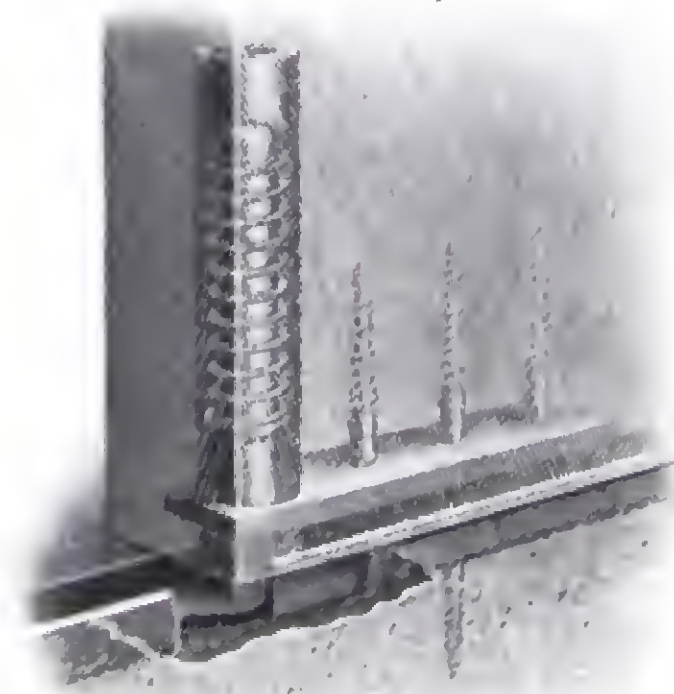


Fig. A-992—Showing No. 635 F. G. Floor Guide and Floor Guide Track.

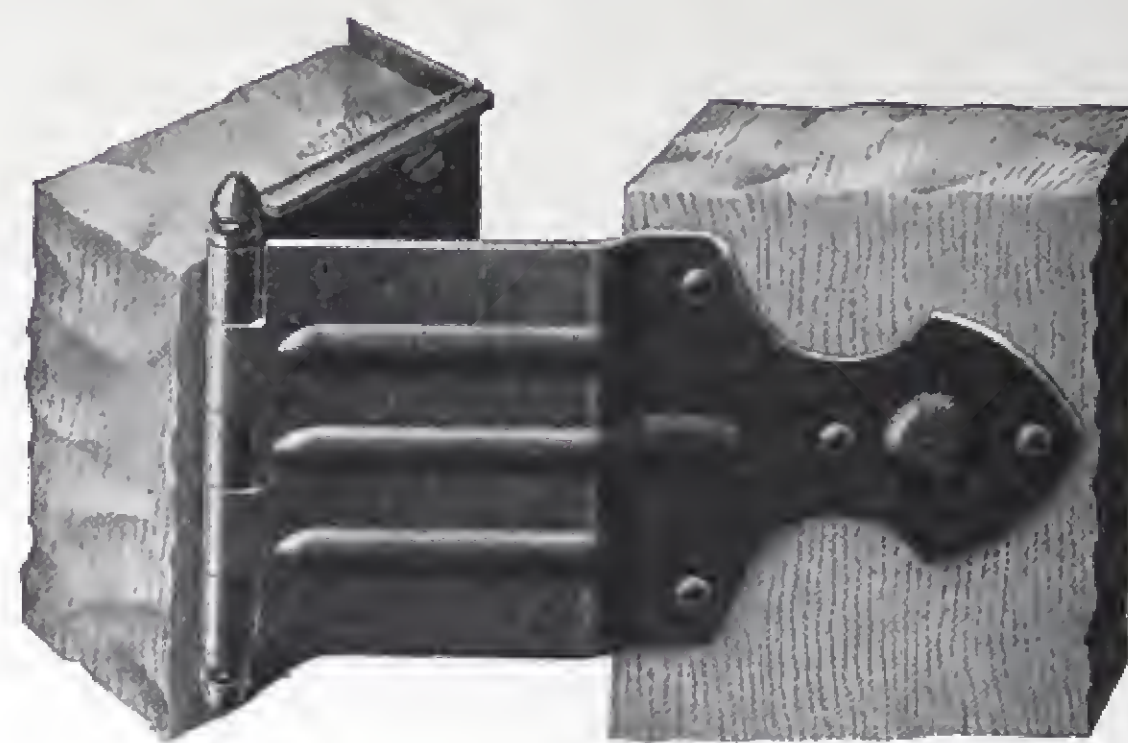
List Price

No. 635-TK —Floor Guide Track, per foot, $\frac{3}{4}$ lb.	\$.20
No. 635-C-6 —Floor Guide Track Curve, 6 inch radius, each, $\frac{1}{2}$ lb.	1.00
No. 635-C-18—Floor Guide Track Curve, 18 inch radius, each, $1\frac{1}{2}$ lbs.	3.30
No. 635-C-24—Floor Guide Track Curve, 24 inch radius, each 2 lbs.	4.20
No. 635-C-30—Floor Guide Track Curve, 30 inch radius, each, $2\frac{1}{2}$ lbs.	5.00
No. 635-C-36—Floor Guide Track Curve, 36 inch radius, each, 3 lbs.	5.80
No. 635-F. G.—Floor Guide. Weight, $\frac{3}{4}$ lb. Each	1.35

Discount.....

R-W No. 311

Half Surface Ornamental Butt Hinge



Made of wrought steel, in one size only: 4 inches high. Center of hinge pin is $3\frac{3}{4}$ inches from the edge of the jamb and the hinge extends $4\frac{1}{2}$ inches on the face of the door. This gives sufficient offset to allow two doors each $1\frac{3}{4}$ inches thick to stand flush with the jamb when opened at a 90 degree angle. Black enamel finish. Packed one pair in a box with screws.

List Price

No. 311—4" Half Surface Hinges. Shipping weight, $3\frac{3}{4}$ lbs., per pair	.....	\$1.60
	<i>Discount</i>	

R-W No. 435

Butt Hinges



Made of wrought steel in two sizes; 4x4 inches, twelve gauge, weight $1\frac{1}{2}$ lbs.; and 5x5 inches, twelve gauge, weight 2 lbs. Has loose pintle pin. Butts are measured overall with the leaves open.

Finish, black enamel.

Packed one pair in a box with screws.

List Price

No. 435 Butt Hinge, size 4x4 inches, per pair	.....	\$.60
No. 435 Butt Hinge, size 5x5 inches, per pair	.....	1.00
	<i>Discount</i>	

R-W No. 435

Wrought Steel Surface Hinges



No. 435—2 1/2"x4" Surface Hinge.
No. 435—3 1/2"x5" Surface Hinge.



No. 435—12"x4" Surface Hinge.

Made of wrought steel in three sizes: 2 1/2 inches by 4 inches, twelve gauge; 3 1/2 inches by 5 inches, twelve gauge and 12 inches by 4 inches 10 gauge. Dimensions of surface hinges apply to size of one leaf only, height is stated last. Black enamel finish. Packed one pair in a box—2 1/2 inch by 4 inch size, with screws; 3 1/2 inch by 5 inch and 12 inch by 4 inch sizes, with round head stove bolts.

List Price

No. 435—Size 2 1/2x4 inches.	Shipping weight, 1 1/2 lbs.	Per pair.....	\$.80
No. 435—Size 3 1/2x5 inches.	Shipping weight, 4 lbs.	Per pair.....	1.40
No. 435—Size 12x4 inches.	Shipping weight, 6 lbs.	Per pair.....	2.20

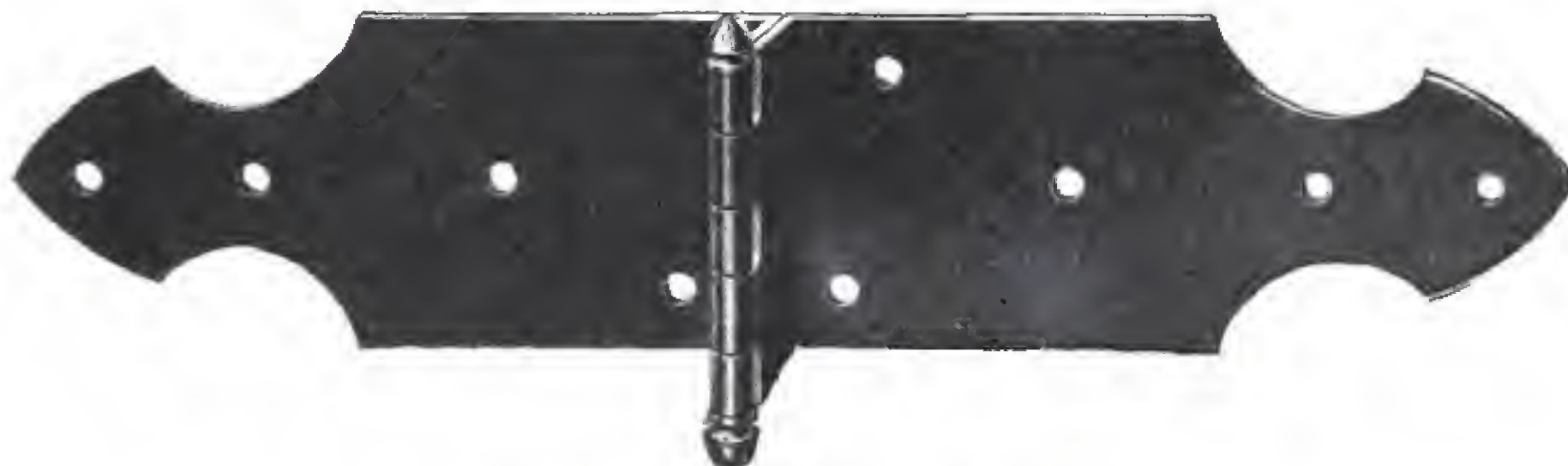
Discount

R-W No. 836

Wrought Steel Offset Surface Hinge



No. 836—2 1/2"x4" Surface Hinge.
No. 836—3 1/2"x5" Surface Hinge.



No. 836—12"x4" Surface Hinge.

Made of No. 12 gauge wrought steel in three sizes: 2 1/2 inches by 4 inches, 3 1/2 inches by 5 inches and 12 inches by 4 inches. Dimensions of surface hinges apply to size of one leaf only, height is stated last. Hinge eye is offset to allow 3 inches between doors when folded. Black enamel finish. Packed one pair in a box—2 1/2 inch by 4 inch size, with screws; 3 1/2 inch by 5 inch and 12 inch by 4 inch sizes, with round head stove bolts.

List Price

No. 836—Size 2 1/2x4 inches.	Shipping weight, 2 lbs.	Per pair.....	\$1.00
No. 836—Size 3 1/2x5 inches.	Shipping weight, 5 lbs.	Per pair.....	1.60
No. 836—Size 12 x4 inches.	Shipping weight, 7 lbs.	Per pair.....	3.00

Discount

R-W No. 635

Wrought Steel Surface Hinge



For use where doors are hinged together and run around an inside corner on curved track. Made of 12 gauge wrought steel in two sizes; No. 635-4" has one leaf 2" long and one leaf 4" long; No. 635-5" has one leaf 3 1/2" long and one leaf 5 1/2" long. Black enamel finish. Packed one pair in a box; No. 635-4" with screws; No. 635-5" with round head stove bolts.

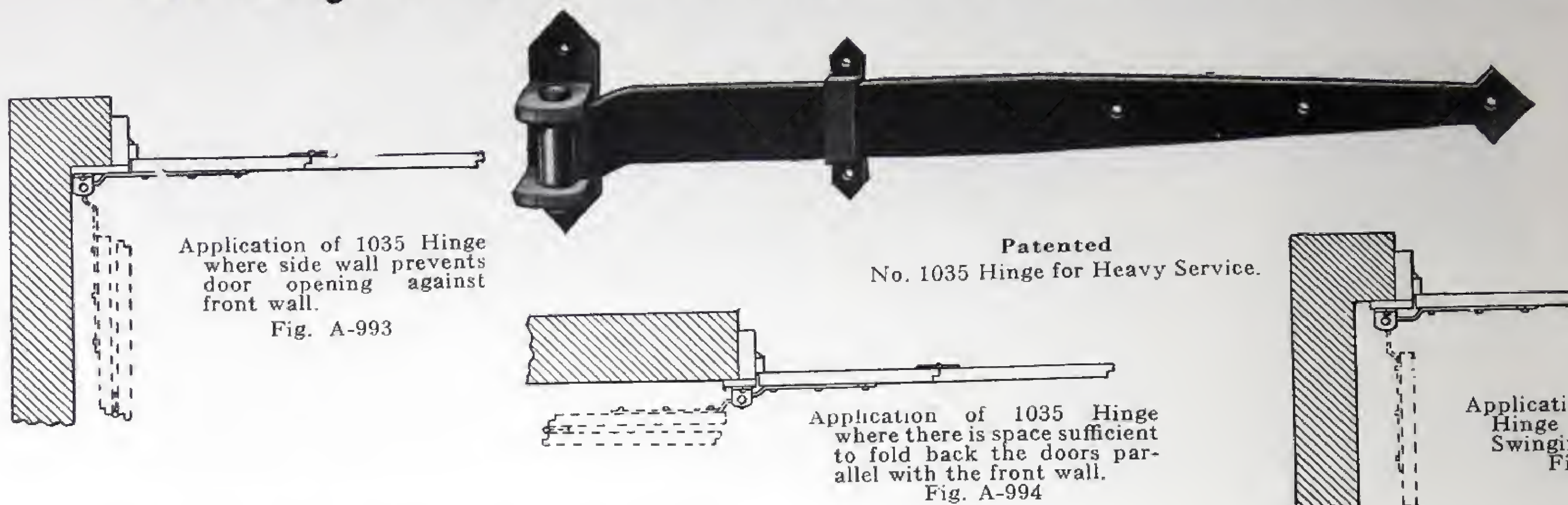
List Price

No. 635-4-inch Surface Hinge.	Shipping weight, 2 lbs.	Per pair.....	\$1.20
No. 635-5-inch Surface Hinge.	Shipping weight, 5 lbs.	Per pair.....	1.80

Discount

R-W No. 1035

Heavy Offset Hinge with Surface Pintle



Designed especially for garage doors, warehouse doors, factory doors and other heavy doors which it is desired to swing back of the jamb clear of the opening. 18-inch and 24-inch straps, made of $\frac{1}{4}$ -inch wrought steel, 30-inch and 36-inch straps, made of $\frac{5}{16}$ -inch wrought steel, $2\frac{1}{2}$ inches high. Furnished with an adjustable clip which can be bolted to the door near the edge regardless of the distance the pintle is set beyond the jamb.

Pintle is $2\frac{1}{2}$ inches wide with loose pin, $\frac{1}{2}$ inch in diameter. Bolt holes are $\frac{9}{16}$ inches in diameter and $5\frac{1}{2}$ -inch centers. Packed in bulk or one pair in a box, with $\frac{3}{8}$ -inch by $3\frac{1}{4}$ -inch carriage bolts. Black japan finish.

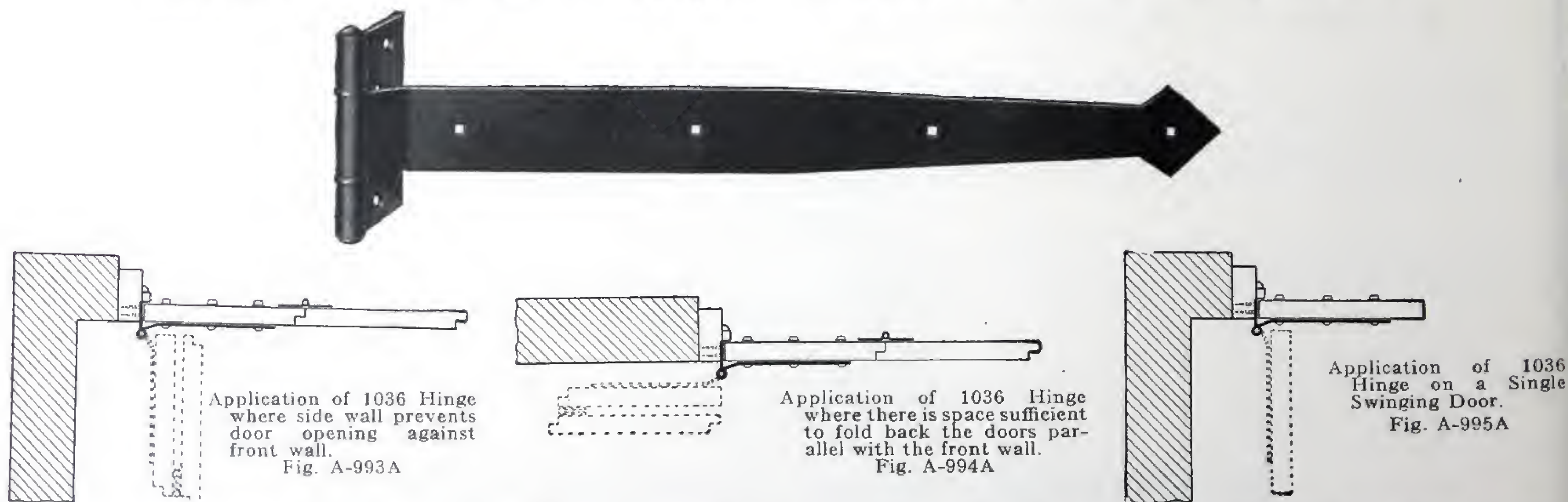
List Price

Size of Strap	Packed in Box with Carriage Bolts	Packed in Bulk without Carriage Bolts	Shipping Weight, Pounds
18 inches x $2\frac{1}{2}$ inches, per pair	\$4.00	\$3.70	16
24 inches x $2\frac{1}{2}$ inches, per pair	4.50	4.20	18
30 inches x $2\frac{1}{2}$ inches, per pair	5.00	4.70	20
36 inches x $2\frac{1}{2}$ inches, per pair	5.50	5.10	22
42 inches x $2\frac{1}{2}$ inches, per pair	6.00	5.70	24
48 inches x $2\frac{1}{2}$ inches, per pair	6.50	6.30	26

Discount

R-W No. 1036

Heavy Strap Hinge with Mortise-Pintle



Designed especially for large swing doors. Made of wrought steel, in various sizes. Anti-friction bronze washer and $\frac{1}{2}$ -inch Riveted Pintle Pin. Black japan finish.

Packed in bulk or one pair in box with $\frac{5}{16}$ -inch by $3\frac{1}{4}$ -inch Carriage Bolts.

List Price

Size of Strap	Height of Pintle	Unit	Packed in Box with Carriage Bolts	Packed in Box without Carriage Bolts	Shipping Weight, Pounds
10 inches x $2\frac{1}{2}$ inches	6 inches	Per pair	\$3.40	\$3.20	$6\frac{1}{2}$
12 inches x $2\frac{1}{2}$ inches	6 inches	Per pair	3.50	3.30	7
18 inches x $2\frac{1}{2}$ inches	6 inches	Per pair	3.80	3.50	$8\frac{1}{2}$
24 inches x $2\frac{1}{2}$ inches	6 inches	Per pair	4.30	4.00	10
30 inches x 3 inches	7 inches	Per pair	4.80	4.50	15
36 inches x 3 inches	7 inches	Per pair	5.40	5.00	18

Discount

R-W No. 472 Concrete Anchors

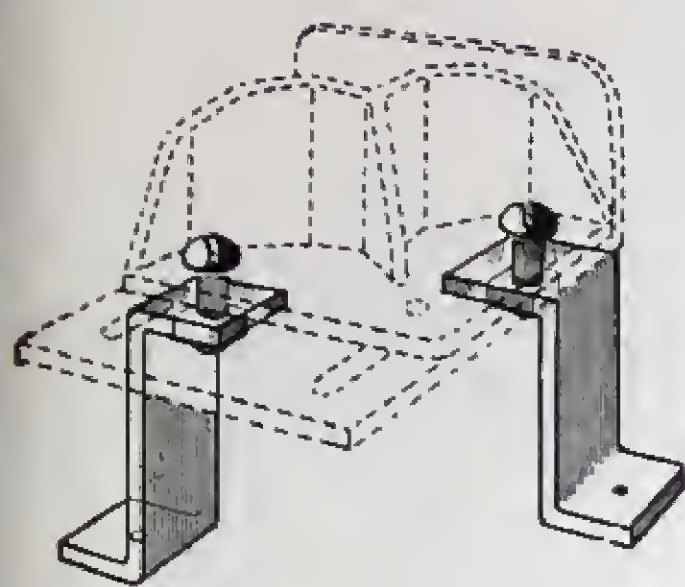


Fig. A-996
No. 472 Concrete Anchor Attached to No. 272 End Floor Door Stop.

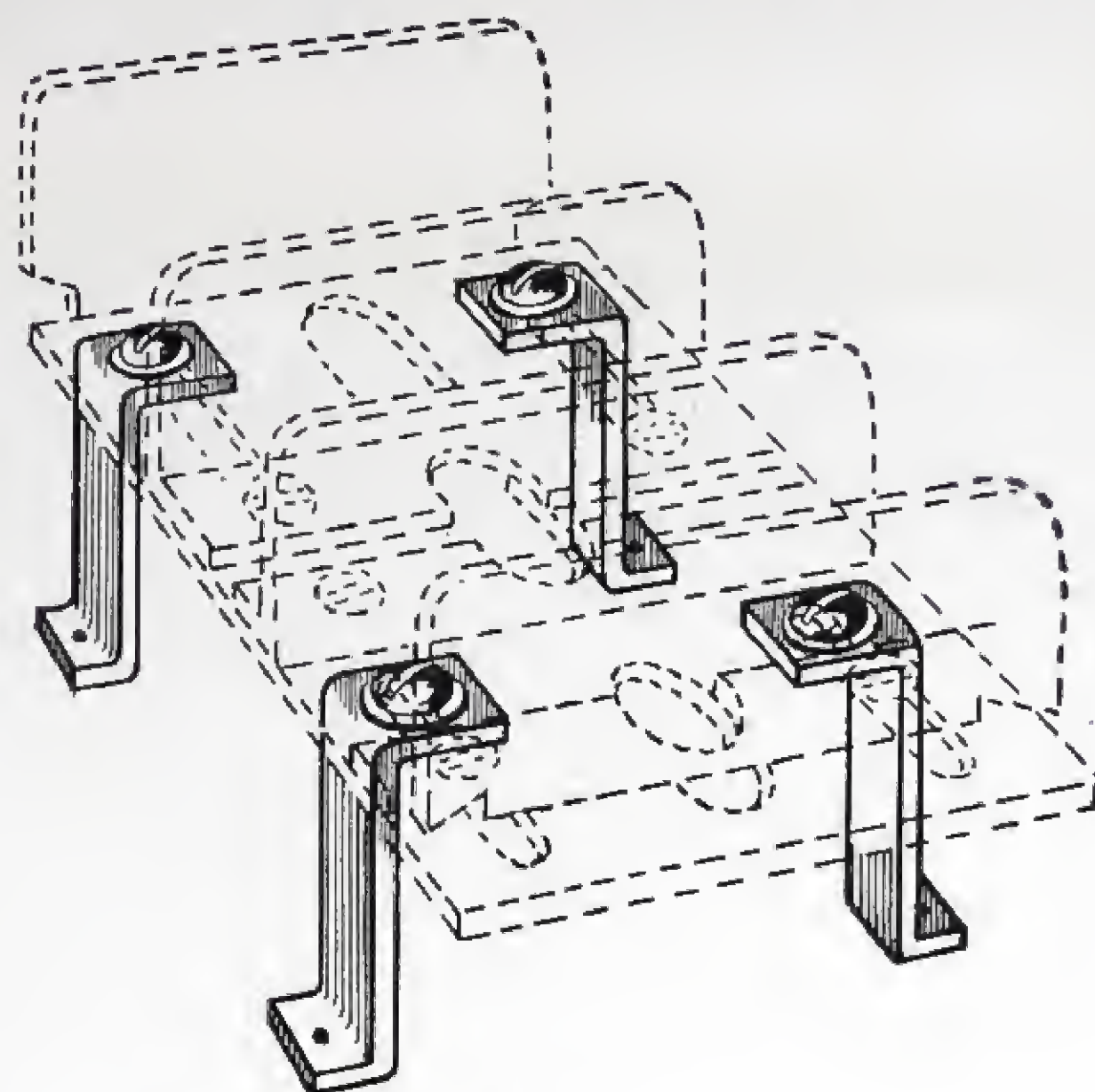


Fig. A-997
No. 472 Concrete Anchors Attached to No. 172 Parallel Door Guide.

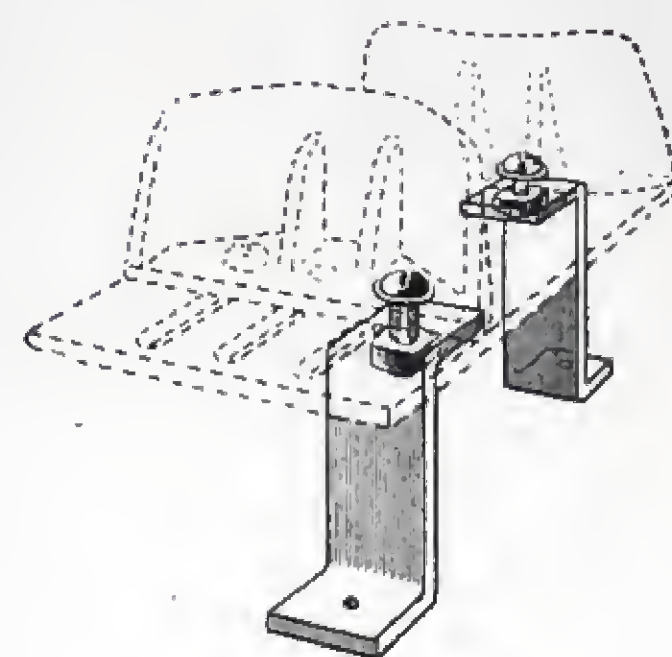


Fig. A-998
No. 472 Concrete Anchor Attached to No. 271 Center Floor Guide.

Especially designed for use in securing Richards-Wilcox Garage Door Floor Guides to concrete floors, but also useful for anchoring other materials in concrete floors.

One pair is required for a No. 271 Center Floor Guide or a No. 272 End Floor Stop. Two pairs are required for a No. 172 Parallel Door Guide.

All guides are adjustable for different thicknesses of doors. Set the guide to fit the door to be used, making allowance for Bumper Shoes and for working clearances.

Bolt the anchors securely to the Floor Guide or End Stop, as shown in illustration. Set a board $3\frac{1}{4}$ " below the finished floor level. Nail the anchors securely to the board, making sure that the Floor Guide is properly located in the door-way. Bottom of guide will be about $\frac{3}{4}$ " below floor level. All is now ready for pouring the concrete.

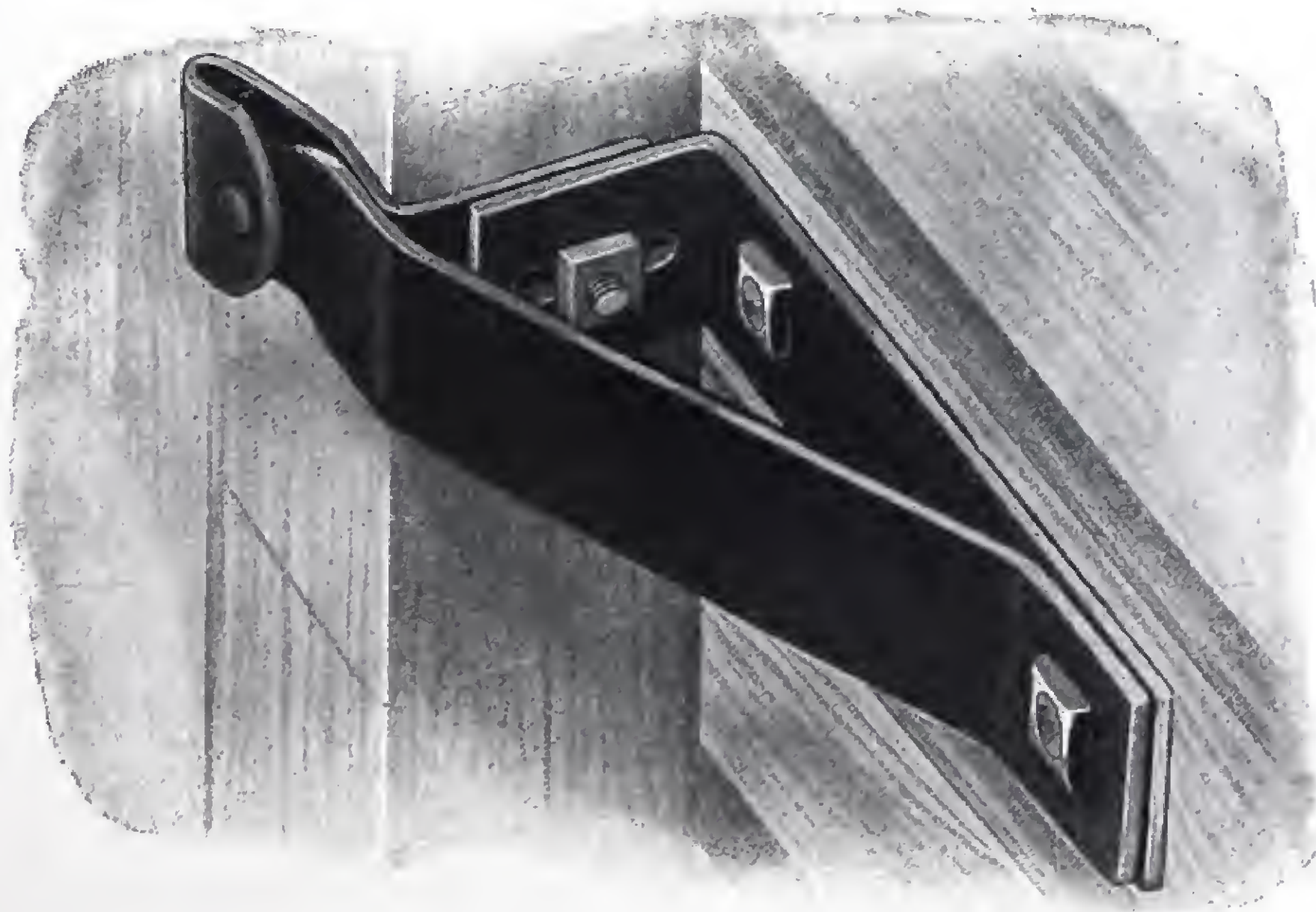
Six pairs, with bolts, packed in metal edged carton.

List Price

No. 472 Concrete Anchors, per dozen pair..... \$3.60

Discount.....

R-W No. 89 Adjustable Door Binder and Stop



Patented
Fig. A-999

Made of three pieces steel, base $\frac{3}{16}$ inch thick, brace $\frac{1}{8}$ inch thick by $1\frac{3}{4}$ inches wide. Adjustable for doors $1\frac{3}{4}$ to 3 inches thick. Brace is pivoted, allowing first lag screw to be inserted easily. End is flared to readily receive the door. May be used at front or back of door. Should be attached with $\frac{7}{16}$ -inch lag screws or bolts. Finish, black japan. Packed two in metal edged box with screws. Weight per dozen, $21\frac{1}{2}$ lbs.

List Price

No. 89 Adjustable Door Binder and Stop, per dozen..... \$5.70

Discount.....

R-W

Wicket Entrance Door Hardware



Fig. A-1000—This illustration shows a SlydaSyde door provided with a Wicket Entrance Door.

In many garages where the doors are heavy and there is constant need for an individual passage door, the wicket style of entrance door can be installed with economy.

The Wicket Entrance Door Hardware shown on the opposite page is suitable for requirements of this kind and is particularly desirable for such use on No. 1035 Slidetite, or on swinging doors in connection with which the Wicket Door swings out.

Special single arm door checks are used, so constructed that the arm of the door check will not extend into the door-way opening and catch on auto tops.

For Sliding Doors on inside of building, the standard door check is used and Wicket Door opens in.

Door Checks are reversible for right or left hand doors.

The Hardware listed on the opposite page furnishes ample range for desired variation in size of the Wicket Doors.

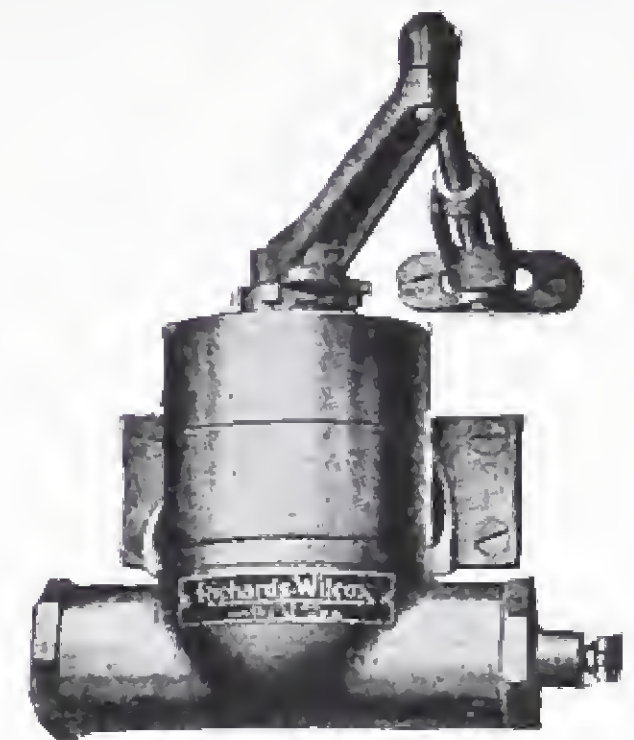
R-W

Wicket Entrance Door Hardware

Consists of Butt Hinges, Steel Threshold and Door Check



No. 435—Butt Hinge



No. 643—2 or 3
Regular Door Check

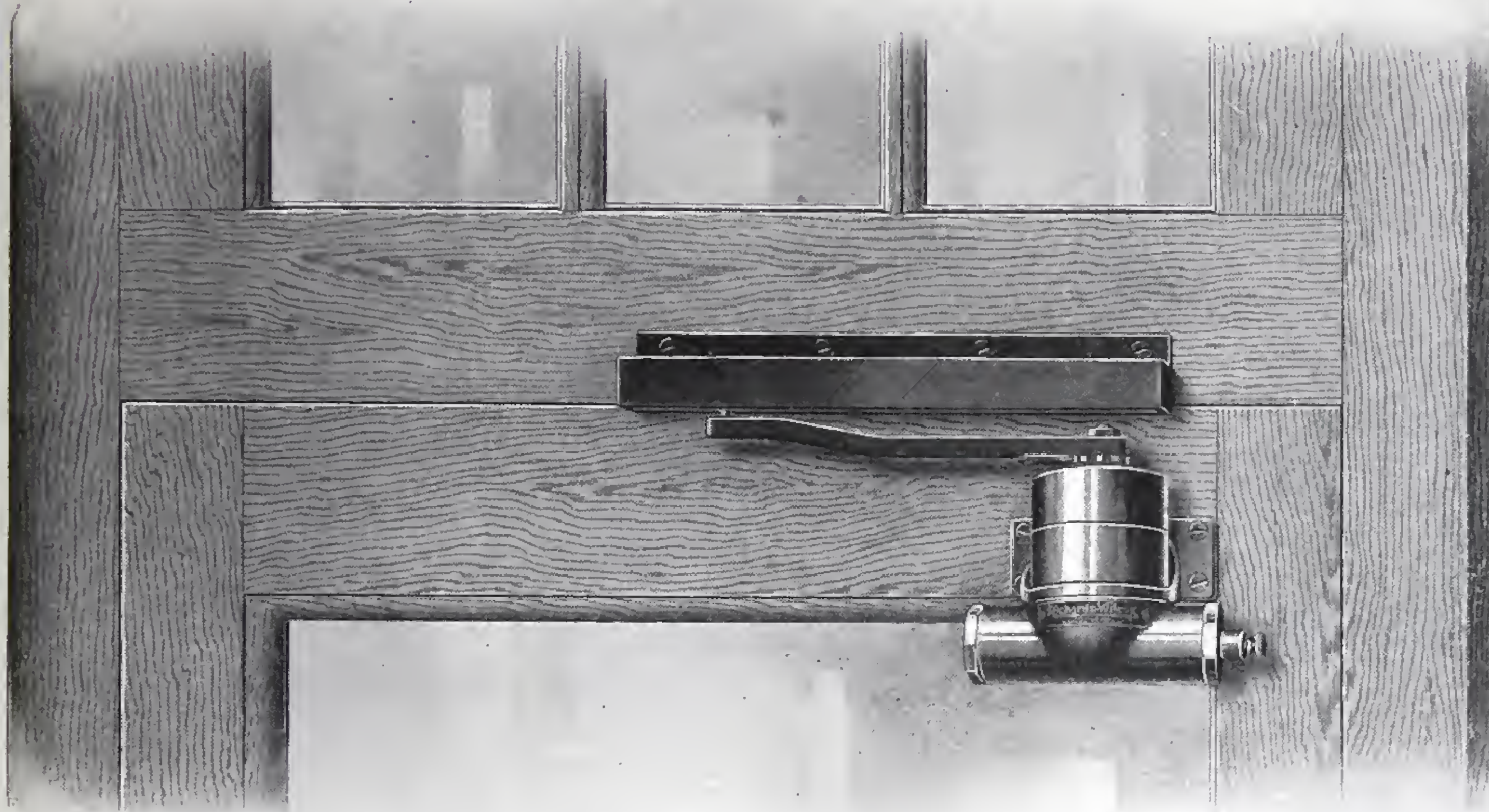


Fig. A-1001—No. 943—2 or 3 Special Door Check attached to door and cross rail.

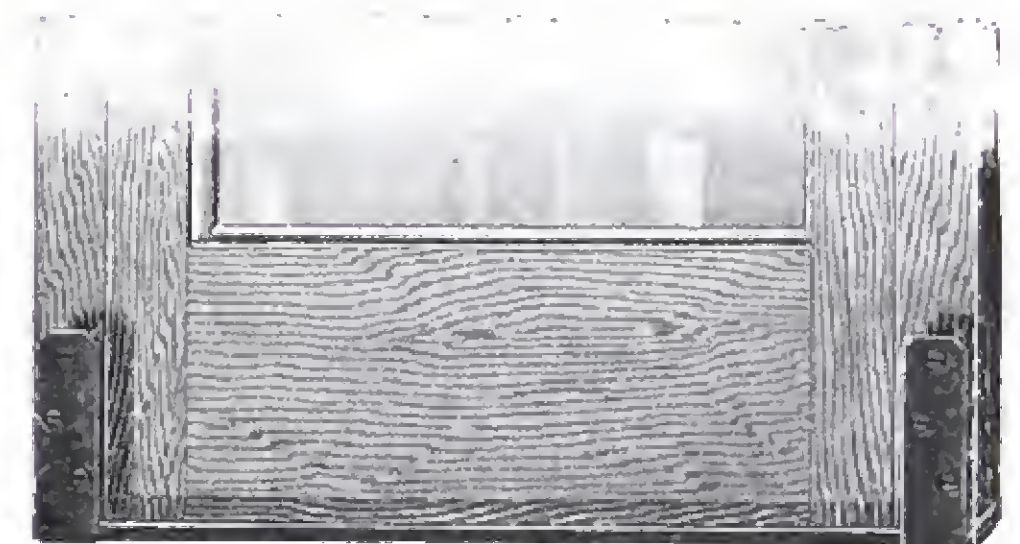


Fig. A-1002—No. 1035—Steel Threshold

Thresholds

Made to order according to size and thickness of doors. In ordering, state width of large doors in which Wicket Door is mounted, width of Wicket Door and thickness of door. Shipping weight, approximately 12 pounds. Price each (size to order).....\$10.00

Butt Hinges

No. 435 Hinges. Size $2\frac{1}{2} \times 4$ inches. Japanned Butts for doors up to 2 inches thick. Shipping weight, $1\frac{1}{2}$ pounds.
Price, per pair.....\$0.60

No. 435 Hinges. Size $3\frac{1}{2} \times 5$ inches. Japanned Butts for heavier doors. Shipping weight, $2\frac{1}{2}$ pounds.
Price, per pair.....\$1.00

Door Checks

For Wicket Doors not over 30 inches wide, up to six feet 0 inches high, and $1\frac{3}{4}$ inches thick, mounted in "Slidetite" or swinging doors. Shipping weight, $7\frac{1}{2}$ pounds.
No. 943—2, Single Arm Check, each.....\$8.00

For heavier doors not over 30 inches wide and not exceeding 6 feet 6 inches in height, and $2\frac{1}{2}$ inches in thickness, mounted in "Slidetite" or swinging doors. Shipping weight, 9 $\frac{1}{2}$ pounds.
No. 943—3, Single Arm Check, each.....\$9.00

For Wicket Doors not over 30 inches wide, up to 6 feet 0 inches high, and $1\frac{3}{4}$ inches thick, mounted in sliding doors inside of building. Shipping weight, $7\frac{3}{4}$ pounds.
No. 643—2, Regular Check, each.....\$6.40

For Wicket Doors not over 30 inches wide and not exceeding 6 feet 6 inches in height and $2\frac{1}{2}$ inches in thickness, mounted in sliding doors inside of building. Shipping weight, 9 $\frac{1}{2}$ pounds.
No. 643—3, Regular Check, each.....\$7.50

List Price of Complete Sets

Wicket Door Hardware for "Slidetite" or Swinging Door, Wicket Doors not over 30 inches wide up to 6 feet 0 inches high and $1\frac{3}{4}$ inches thick as follows:
1 No. 1035 Steel Threshold, size as requested.
1 No. 943—2 Door Check with single arm.
1 Pair No. 435 Japanned Butt Hinges; size $2\frac{1}{2} \times 4$ inches.
Shipping weight, 21 pounds.
Price, per set.....\$18.60

Wicket Door Hardware for "Slidetite" or Swinging Door, Wicket Doors not over 30 inches wide and not exceeding 6 feet 6 inches in height and $2\frac{1}{2}$ inches in thickness, as follows:
1 No. 1035 Steel Threshold, size as requested.
1 No. 943—3 Door Check with single arm.
1 Pair No. 435 Japanned Butt Hinges. Size $3\frac{1}{2} \times 5$ inches.
Shipping weight, 23 pounds.
Price, per set.....\$20.00

Wicket Door Hardware for Sliding Door inside of building, Wicket Doors not over 30 inches wide, up to 6 feet 0 inches high and $1\frac{3}{4}$ inches thick as follows:
1 No. 1035 Steel Threshold, size as requested.
1 No. 643—2 Regular Door Check.
1 Pair No. 435 Japanned Butt Hinges. Size $2\frac{1}{2} \times 4$ inches.
Shipping weight, $28\frac{3}{4}$ pounds.
Price, per set.....\$17.00

Wicket Door Hardware for Sliding Doors inside of building, Wicket Doors not over 30 inches wide, and not exceeding 6 feet 6 inches in height and $2\frac{1}{2}$ inches in thickness, as follows:
1 No. 1035 Steel Threshold, size as requested.
1 No. 643—3 Regular Door Check.
1 Pair No. 435 Japanned Butt Hinges, $3\frac{1}{2} \times 5$ inches.
Shipping weight, $24\frac{1}{4}$ pounds.
Price, per set.....\$18.50
Note—Above sets do not include latch or lock for wicket doors. (See page 116.)

Discount.....



Conveying Equipment

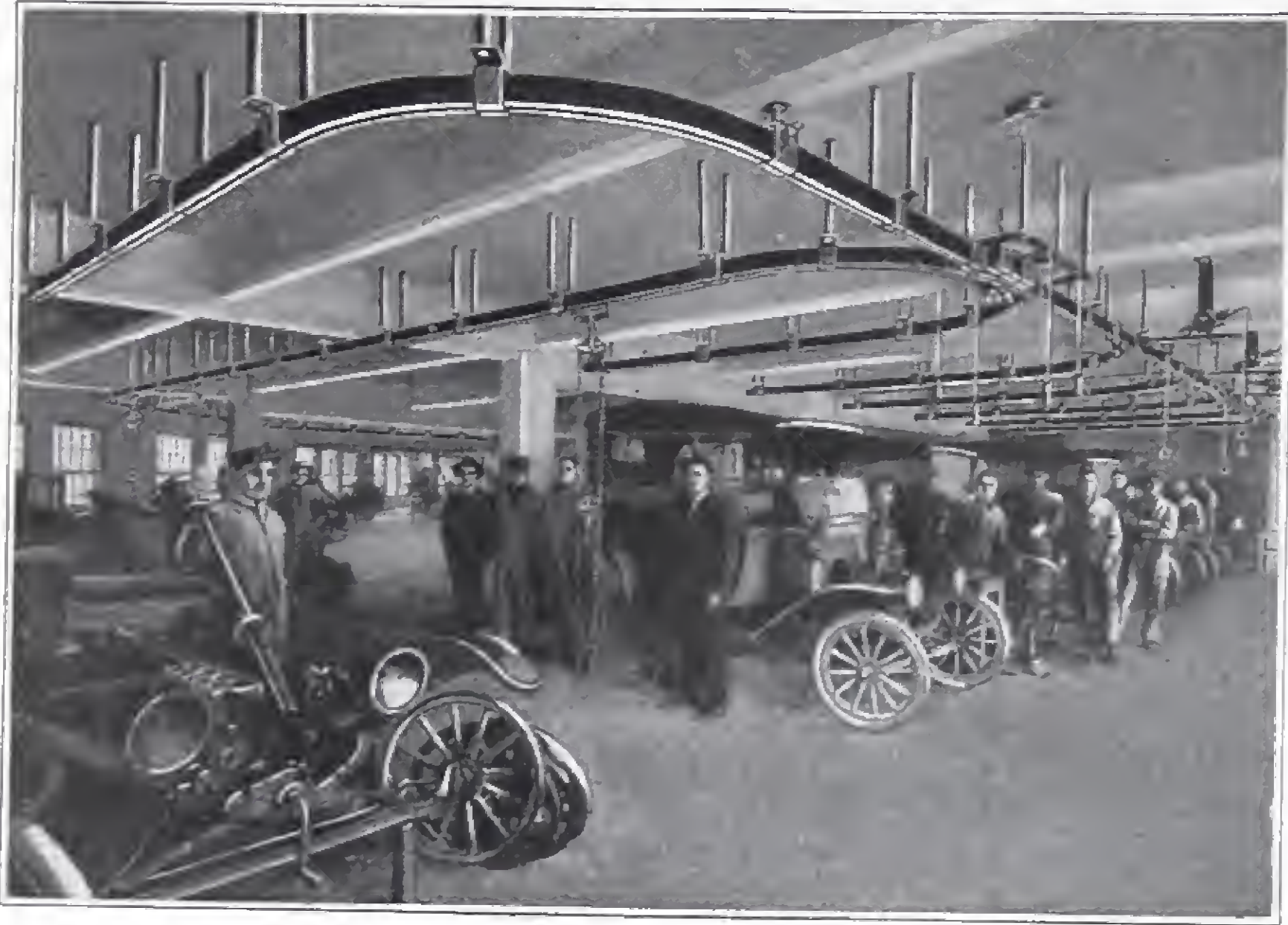


Fig. A-1003



Fig. A-1005

OveR-Way Conveying Equipment makes it convenient to lift from automobiles heavy units such as differentials, engines, bodies and transmissions and carry them from the parking floor to the repair division; enables workmen to raise cars on end so they can work beneath comfortably and within easy reach of their tools; speeds up the work of the garage; effects safe handling of heavy parts; eliminates waste space; saves wear and tear on floors; reduces cost of operation. One man with a single "OveR-Way" Carrying unit will do the work of from 5 to 16 men using ordinary means of carrying.

Whatever your requirements, large or small, an "OveR-Way" system adapted economically to your individual requirements can be furnished.

Thousands of "OveR-Way" systems are now in use. "We could no more do without our 'OveR-Way' Carrying System than we could do without the telephone," states J. C. Beemer of the Beemer & Co. Garage, London, Ont.

Illustrated book, "OveR-Way Conveying Equipment," contains detailed information regarding equipment for various conditions and adapted to light or heavy loads. Copy will be sent on request without obligation to anyone interested in cutting the cost of carrying.



Fig. A-1004



Fig. A-1006

Automobile Measurements

For the assistance of R-W patrons who contemplate building garages, we present below, the height, length and width of many automobiles.

From this table the owner, or prospective owner of a particular automobile, can readily determine the dimensions of his doorway opening and the space his car will require in the garage.

Because doors vary in width, because there are so many different methods of operating them, we have deemed it inadvisable to attempt in this table to give the distance required between the doors when in closed position and the rear of the auto.

The overall length of touring cars given is with the top down (except as noted below); and the overall height, with the top up (except as noted below).

Overall lengths do not include bumpers unless they are standard equipment. If bumpers are used on car, on which bumpers are not standard equipment, sufficient allowance should be made for same.

Note—*Length includes bumpers.

**Bumpers are included in lengths where they are furnished as standard equipments.

†Length given with top up.

††Length with two spare tires.

Name of Car	Model	Length	Width	Height
American.....	D-66.....	16'5"	5'9½"	6'9"
*Anderson.....	Regular Sedan E-41.....	13'10"	5'6½"	6'4"
	Regular Touring C-41.....	13'10"	5'6½"	6'4"
	Regular Coach K-41.....	13'10"	5'6½"	6'5½"
	Regular Coupe B-41.....	13'10"	5'6½"	6'4"
	Regular 7 Passenger Touring.....	14'6"	5'6½"	6'5½"
	Sport Sedan ES-41.....	15'4"	5'6½"	6'4"
	Sport Touring G-41.....	15'4"	5'6½"	6'4"
Apperson-6.....	5 Pass. Phaeton-1923.....	14'5"	5'10"	6'3"
	5 Pass. Sedan-1923.....	14'5"	5'10"	6'3"
Apperson-8.....	5 Pass. Phaeton-1923.....	16'4"	6'	6'6"
	7 Pass. Phaeton-1923.....	16'4"	6'	6'5"
	5 Pass. Sedan-1923.....	16'4"	6'	6'6"
	7 Pass. Sedan-1923.....	16'4"	6'	6'6"
Auburn.....	Touring 6-43.....	13'5"	5'7"	6'4½"
	Touring Coupe 6-43.....	13'5"	5'7"	6'2½"
	Sedan 6-43.....	13'5"	5'7"	6'2½"
	Sport 6-43.....	14'11"	5'7"	6'2½"
	Touring 6-63.....	14'4"	5'7"	6'3½"
	Brougham 6-63.....	14'4"	5'7"	6'5¼"
	Sedan 6-63.....	14'4"	5'7"	6'5¼"
	Sport 6-63.....	15'10"	5'7"	6'2½"
Barley-6.....	5 Pass. Touring & Sport 6-50.....	14'	5'8"	6'4"
	5 Pass. Touring Sedan 6-50.....	14'	5'8"	6'7½"
	5 Pass. Sedan 6-50.....	14'	5'8"	6'7"
Bay State.....	5 Pass. Sedan-1 1922-23.....	14'3"	5'8"	6'5"
	Coupe-1 1922-23.....	14'3"	5'8"	6'5"
	Brougham-1 1922-23.....	14'3"	5'8"	6'5"
	Touring-1 1922-23.....	14'3"	5'8"	6'3"
	Roadster-1 1922-23.....	14'3"	5'8"	6'3"
	7 Pass. Sedan-2 1922-23.....	14'10"	5'8"	6'5"
	Sport Touring-2 1922-23.....	14'10"	5'8"	6'3"
	Sport Sedan-2 1922-23.....	14'10"	5'8"	6'5"
*Brewster.....	Open and Closed.....	15'9"	5'8½"	6'9"
Buick-4.....	4 Pass. Coupe-33.....	13'1"	5'7½"	6'1"
	2 Pass. Roadster-34.....	13'1"	5'7½"	6'1"
	5 Pass. Touring-35.....	13'5"	5'7½"	6'4"
	5 Pass. Sedan-37.....	13'2"	5'7½"	6'4"
Buick-6.....	5 Pass. Double Service Sedan-41.....	15'10"	5'7½"	7'4"
	2 Pass. Roadster-44.....	14'4"	5'7½"	6'4"
	5 Pass. Touring-45.....	14'6"	5'7½"	6'6"
	5 Pass. Sedan-47.....	14'4"	5'7½"	6'7"
	4 Pass. Coupe-48.....	15'7"	5'7½"	6'7"
	Big 7 Pass. Touring-49.....	15'7"	5'7½"	6'6"
	Big 7 Pass. Sedan-50.....	15'8"	5'7½"	6'9"
	Brougham Sedan-51.....	15'9"	5'7½"	6'7"
	3 Pass. Sport Roadster-54.....	15'7"	5'7½"	6'4"
	4 Pass. Sport Touring-55.....	15'9"	5'7½"	6'4"
Cadillac.....	Roadster-61.....	15'10¾"	5'8"	6'3¼"
	Phaeton-61.....	15'11¾"	5'8"	6'4¾"
	Touring-61.....	15'11¾"	5'8"	6'6"
	5 Pass. Coupe-61.....	15'10¾"	5'8"	6'5¾"
	Victoria-61.....	15'10¾"	5'8"	6'7¾"
	Sedan-61.....	15'11¾"	5'8"	6'5¾"
	Landau Sedan-61.....	15'11¾"	5'8"	6'5¾"
	Suburban-61.....	15'11¾"	5'8"	6'5¾"
	Limousine-61.....	15'11¾"	5'8"	6'5¾"
	Imperial-61.....	15'11¾"	5'8"	6'5¾"

Name of Car	Model	Length	Width	Height
*Case.....	Touring-U 1918-19.....	15'5"	5'9"	7'
	Touring-V 1920-21.....	15'8½"	5'9"	6'10"
	Touring-X 1922-23.....	15'2"	5'7"	6'2"
	Touring-W 1922-23.....	15'11½"	5'10"	6'8"
	Touring-Y 1923-24.....	16'3"	5'10"	6'8"
	Sedan-U 1918-19.....	15'5"	5'9"	7'
	Sedan-V 1920-21.....	15'8½"	5'9"	6'10"
	Sedan-X 1922-23.....	15'2½"	5'7"	6'2"
	Sedan-W 1922-23.....	15'11½"	5'10"	6'8"
	Sedan-Y 1923-24.....	16'3"	5'10"	7'
Chandler.....	Closed Cars.....	14'9½"	5'8"	6'3"
	Open Cars.....	14'9½"	5'8"	6'3"
Chev. Superior.....	Touring.....	12'3"	5'6½"	6'1¼"
	Roadster.....	11'9"	5'6½"	6'½"
	Sedan.....	11'10"	5'6½"	6'2¾"
	Coupe.....	11'9½"	5'6½"	6'2½"
	Light Delivery.....	12'9"	5'6½"	6'7½"
Cleveland.....	Touring.....	14'9"	5'6½"	6'4"
	Roadster.....	13'4"	5'6½"	6'2"
	Four-Door Sedan.....	13'4"	5'6½"	6'4"
	Two-Door Sedan.....	13'4"	5'6½"	6'2"
	Coupe-1922.....	13'4"	5'6½"	6'4"
	Coupe-1923.....	13'4"	5'6½"	6'
	Sport Touring.....	14'9"	5'6½"	6'4"
	Special Four-Door Sedan.....	14'3"	5'6½"	6'4"
	Special Two-Door Sedan.....	13'4"	5'6½"	6'2"
	Special Coupe.....	14'	5'6½"	6'
	De Luxe Touring.....	14'9"	5'6½"	6'4"
Cole.....	Touring-870.....	15'10"	5'8"	7'
	Roadster-871.....	15'4"	5'8"	7'
	Sportster-872.....	15'10"	5'8"	7'
	Coupe-873.....	15'4"	5'8"	7'
	Sedan-875.....	15'4"	5'8"	7'
	Touring-876.....	15'4"	5'8"	7'
	Roadster-877.....	15'4"	5'8"	7'
	Sportster-878.....	15'4"	5'8"	7'
	Coupe-879.....	15'4"	5'8"	7'
	Sedan-880.....	15'4"	5'8"	7'
	Sedan-881.....	15'4"	5'8"	7'
	Touring-890.....	15'4"	5'8"	7'
	Roadster-891.....	15'4"	5'8"	7'
	Sportster-892.....	15'4"	5'8"	7'
	Coupe-893.....	15'4"	5'8"	7'
	Sedan-896.....	15'4"	5'8"	7'
	Sedan-897.....	15'4"	5'8"	7'
Columbia-6.....	Touring.....	14'	5'6"	6'6"
	Coupe.....	14'	5'6"	6'6"
	Sedan.....	14'	5'6"	6'6"
Cunningham.....	Ambulance-134A.....	17'	5'8½"	7'6"
	Limousine-124A.....	15'2"	5'8½"	6'10"
	Touring Car-92A.....	16'6"	5'8½"	7'
Crawford.....	Touring.....	15'10"	6'	6'10"
	Sport.....	15'10"	6'	6'10"
	Sedan.....	15'10"	6'	6'10"
Dagmar.....	Roadster.....	15'6"	6'	6'10"
	Sport.....	15'6"	6'	6'10"
	Coach.....	15'6"	6'	6'10"
	Sedan.....	15'6"	6'	6'10"

Automobile Measurements (Cont.)

Name of Car	Model	Length	Width	Height
Davis.....	71-Phaeton.....	14'6"	5'7"	6'6"
	72-Legionaire.....	14'6"	5'7"	6'6"
	73-Man O'War.....	14'6"	5'7"	6'6"
	74-Sedan.....	14'6"	5'7"	6'6"
	75-Coupe.....	14'6"	5'7"	6'6"
	76-Brougham.....	14'6"	5'7"	6'6"
Dodge.....	63-Fleetaway.....	16'	5'7"	6'9"
	Roadster.....	12'9"	5'6"	6'8"
	Touring.....	13'6"	5'6"	6'11"
Dorris-6.....	Sedan.....	13'2"	5'10"	7'
	7 Pass. Touring 6-80.....	17'2"	6'	7'2"
	4 Pass. Pasadena-6-80.....	17'2"	6'	7'2"
	7 Pass. Sedan-6-80.....	17'2"	6'	7'2"
Dort.....	4 Pass. Coupe-6-80.....	17'2"	6'	7'2"
	Touring-27.....	14'6"	4'8"	6'6"
	Touring Sport-27K.....	14'6"	4'8"	6'6"
	Coupe-27C.....	14'6"	4'8"	6'6"
Duesenberg.....	Sedan-27S.....	14'6"	4'8"	6'6"
	Brougham-27B.....	14'6"	4'8"	6'6"
	Sedan.....	16'7 $\frac{1}{4}$ "	5'9 $\frac{1}{2}$ "	6'5"
	Roadster.....	16'8"	5'9 $\frac{1}{2}$ "	6'2"
Durant-4.....	5 Pass. Sport.....	16'8"	5'9 $\frac{1}{2}$ "	6'5"
	7 Pass. Touring.....	16'10 $\frac{1}{2}$ "	5'9 $\frac{1}{2}$ "	6'5"
	Coupe.....	16'8"	5'9 $\frac{1}{2}$ "	6'5"
	5 Pass. Touring.....	16'8"	5'9 $\frac{1}{2}$ "	6'5"
Durant-4.....	Sedan-A.....	10'9"	5'7"	6'2"
	Sport Sedan-A.....	14'6"	5'7"	6'2"
	Touring-A.....	10'9"	5'7"	6'4"
	Sport Touring-A.....	14'6"	5'7"	6'4"
	Coupe-A.....	10'9"	5'7"	6'2"
	Business Man's Coupe-A.....	10'9"	5'7"	6'2"
Earl.....	Roadster-A.....	10'9"	5'7"	6'4"
	†Touring-40 1922-23.....	13'7"	5'6"	6'3"
	Roadster-40 1922-23.....	13'10"	5'6"	5'7"
	Sedan-40 1922-23.....	13'7"	5'6"	6'3"
	Brougham-40 1922-23.....	13'7"	5'6"	6'3"
	Cabriolet-40 1922-23.....	13'7"	5'6"	6'3"
Elcar-6.....	Sport Phaeton-40 1922-23.....	15'3"	5'6"	6'3"
	†Phaeton-6-60.....	14'1 $\frac{1}{2}$ "	5'6"	6'4 $\frac{1}{2}$ "
	Sedan-6-60.....	14'1 $\frac{1}{2}$ "	5'6"	6'4 $\frac{1}{2}$ "
	Brougham-6-60.....	14'1 $\frac{1}{2}$ "	5'6"	6'4 $\frac{1}{2}$ "
Elcar-4.....	†Sport-6-60.....	15'4"	5'6"	6'4 $\frac{1}{2}$ "
	†Phaeton-4-40.....	13'4"	5'6"	6'2 $\frac{3}{4}$ "
	Sedan-4-40.....	13'4"	5'6"	6'1 $\frac{1}{2}$ "
	3 Door Brougham-4-40.....	13'4"	5'6"	6'1 $\frac{1}{2}$ "
Elgin.....	†Sport-4-40.....	14'4"	5'6"	6'2 $\frac{3}{4}$ "
	††Touring.....	13'8 $\frac{1}{2}$ "	5'7"	6'2 $\frac{1}{2}$ "
	Sedan.....	13'8 $\frac{1}{2}$ "	5'7"	6'2 $\frac{1}{2}$ "
	Coupe.....	13'8 $\frac{1}{2}$ "	5'7"	6'2 $\frac{1}{2}$ "
Essex.....	Coach.....	12'11"	5'6"	6'4 $\frac{3}{4}$ "
	Cabriolet.....	12'11"	5'6"	6'3"
	Touring.....	13'10 $\frac{1}{4}$ "	5'6"	6'5 $\frac{1}{4}$ "
Flint.....	*Touring-E.....	15'8"	5'9"	6'6"
	Sedan-E.....	15'8"	5'9"	6'4"
	Roadster-E.....	15'1"	5'9"	6'4"
	Coupe-E.....	14'6"	5'9"	6'4"
	Sport Touring-E.....	15'8"	5'9"	6'4"
Ford.....	Four Door Sedan.....	11'4 $\frac{1}{2}$ "	5'7 $\frac{1}{2}$ "	6'7"
	Coupe.....	11'4 $\frac{1}{2}$ "	5'7 $\frac{1}{2}$ "	6'7"
	Touring.....	12'2"	5'7 $\frac{1}{2}$ "	6'9"
	Roadster.....	11'4 $\frac{1}{2}$ "	5'7 $\frac{1}{2}$ "	6'9"
Fox...	7-F.....	15'4"	5'9"	6'5"
Franklin.....	Touring.....	14'	6'	7'
	Coupe.....	13'	6'	7'
	Sedan.....	13'	6'	7'
	Touring-Limousine.....	13'	6'	7'
	Demi-Sedan.....	13'	6'	7'
Gardner ...	Brougham.....	13'	6'	7'
	Sedan.....	13'1"	5'6"	6'4"
	Coupe.....	13'1"	5'6"	6'4"
	Brougham.....	13'1"	5'6"	6'3"
	Touring.....	13'1"	5'6"	6'8"
Gray.....	Radio Special.....	13'8"	5'6"	6'8"
	Roadster.....	13'1"	5'6"	6'2"
	†Touring-N.....	12'6"	5'6"	6'1 $\frac{1}{2}$ "
	2 Pass. Coupe-C.....	12'6"	5'6"	6'1 $\frac{1}{2}$ "
	Roadster-R.....	12'6"	5'6"	6'1 $\frac{1}{2}$ "
Hanson.....	Coach-C-1.....	12'6"	5'6"	6'1 $\frac{1}{2}$ "
	Sedan-5.....	12'6"	5'6"	6'1 $\frac{1}{2}$ "
	50 H.....	14'11"	5'6"	6'6"
Hanson.....	50 S.....	14'11"	5'6"	6'6"
	70 T.....	13'11"	5'6"	6'8"
	70 H.....	15'6"	5'6"	6'8"
	70 H.....	15'6"	5'6"	6'8"

Name of Car	Model	Length	Width	Height
Haynes	†Touring-60 1924.....	14'8"	5'6 $\frac{1}{2}$ "	6'4"
	Sedan-60 1924.....	14'8"	5'6 $\frac{1}{2}$ "	6'4"
H. C. S.-4.....	4 Pass. Touring.....	13'1"	5'7"	6'1"
	4 Pass. Sedan.....	13'1"	5'7"	6'3"
	3 Pass. Coupe.....	13'1"	5'7"	6'3"
	2 Pass. Roadster.....	13'1"	5'7"	6'1"
H. C. S.-6.....	4 Pass. Touring.....	15'5"	5'7"	6'1"
	4 Pass. Sedan.....	15'5"	5'7"	6'3"
Holmes.....	†7 Pass. Touring-4.....	14'4"	5'10 $\frac{1}{2}$ "	6'1"
	4 Pass. Roadster-4.....	14'4"	5'11 $\frac{1}{2}$ "	6'1"
	7 Pass. California Sedan.....	14'4"	5'10 $\frac{1}{2}$ "	6'1"
	4 Pass. Coupe.....	14'4"	5'10 $\frac{1}{2}$ "	6'1"
	7 Pass. Sedan.....	14'4"	5'10 $\frac{1}{2}$ "	6'1"
Hudson.....	Sedan.....	14'8 $\frac{1}{4}$ "	5'7"	6'8"
	Coach.....	14'8 $\frac{1}{4}$ "	5'7"	6'6 $\frac{1}{2}$ "
	4 Pass. Touring.....	15'6 $\frac{1}{2}$ "	5'7"	6'6 $\frac{1}{2}$ "
	7 Pass. Touring.....	15'7 $\frac{1}{8}$ "	5'7"	6'8 $\frac{1}{2}$ "
Huffman.....	Touring.....	14'	5'10"	6'6"
Hupmobile.....	Touring.....	14'4 $\frac{1}{2}$ "	5'7"	6'5 $\frac{1}{2}$ "
	Roadster.....	13'9"	5'7"	6'1"
	Sedan.....	13'9"	5'7"	6'5"
	4 Pass. Coupe.....	13'9"	5'7"	6'5 $\frac{1}{2}$ "
	2 Pass. Coupe.....	13'9"	5'7"	6'5"
Jewett	Standard Touring.....	13'2"	5'7 $\frac{1}{2}$ "	5'11"
	Standard Roadster.....	13'2"	5'7 $\frac{1}{2}$ "	5'8"
	Standard Sedan.....	13'2"	5'7 $\frac{1}{2}$ "	6'2"
	Standard Coupe.....	13'2"	5'7 $\frac{1}{2}$ "	6'2 $\frac{1}{2}$ "
	*Special Touring.....	14'6 $\frac{1}{2}$ "	5'7 $\frac{1}{2}$ "	5'11"
	*Special Roadster.....	14'6 $\frac{1}{2}$ "	5'7 $\frac{1}{2}$ "	5'8"
	*Special Sedan.....	14'6 $\frac{1}{2}$ "	5'7 $\frac{1}{2}$ "	6'2"
	*Special Coupe.....	14'6 $\frac{1}{2}$ "	5'7 $\frac{1}{2}$ "	6'2 $\frac{1}{2}$ "
Jordan.....	5 Pass. Touring-MX.....	14'2"	5'7"	6'3"
	Roadster-MX.....	14'2"	5'7"	5'11"
	Enclosed-MX.....	14'2"	5'7"	6'6"
	4 Pass. Sport-H.....	14'6"	5'7"	6'
	Sedan-H.....	14'6"	5'7"	6'6"
Kelsey.....	Touring.....	13'4"	5'6"	6'6"
	Sedan.....	12'7"	5'6"	6'2"
Kessler.....	K.....	14'	5'7"	6'5"
Kissel.....	Phaeton-55.....	15'	5'9"	6'2"
	Brougham-55.....	15'	5'9"	5'10"
	Tourster-55.....	15'	5'9"	6'1"
	Coupe-55.....	15'	5'9"	6'3"
	Speedster-55.....	15'	5'9"	5'7"
	Touring-45.....	16'2"	5'9"	6'5"
	Tourster-45.....	16'2"	5'9"	6'2"
	Speedster-45.....	16'2"	5'9"	5'8"
	Coupe-45.....	16'2"	5'9"	6'4"
	D. L. Sedan-45.....	16'2"	5'9"	6'5"
	Coach Sedan-45.....	16'2"	5'9"	6'3"
Kurtz.....	Roadster.....	14'5"	5'10"	6'4"
	Touring.....	14'5"	5'10"	6'4"
	Coupe.....	14'5"	5'10"	6'4"
	Brougham.....	14'5"	5'10"	6'4"
	Sedan.....	14'5"	5'10"	6'4"
LaFayette.....	Touring.....	16'	5'8"	6'5"
	Torpedo.....	16'	5'8"	6'5 $\frac{1}{2}$ "
	Roadster.....	16'	5'8"	6'1 $\frac{1}{2}$ "
	Coupe.....	16'	5'8"	6'4 $\frac{1}{2}$ "
	Sedan.....	16'	5'8"	6'5 $\frac{1}{2}$ "
	Imperial Limousine.....	16'	5'8"	6'5 $\frac{1}{2}$ "
	Limousine.....	16'	5'8"	6'6"
	Limousine.....	16'	5'8"	6'6"
Lexington Minute Man Six.....	5 Pass. Touring.....	14'10"	5'3 $\frac{1}{2}$ "	6'6"
	7 Pass. Touring.....	14'10"	5'3 $\frac{1}{2}$ "	6'6"
	2 Pass. Skylark Roadster.....	14'10"	5'3 $\frac{1}{2}$ "	6'6"
	5 Pass. Lark Sport.....	14'10"	5'3 $\frac{1}{2}$ "	6'6"
	5 Pass. Royal Coach.....	14'4"	5'3 $\frac{1}{2}$ "	6'6"
	4 Pass. Coupe.....	14'4"	5'3 $\frac{1}{2}$ "	6'6"
	4 Pass. Brougham.....	14'4"	5'3 $\frac{1}{2}$ "	6'6"
	5 Pass. Sedan.....	14'4"	5'3 $\frac{1}{2}$ "	6'6"
Lincoln.....	Roadster.....	16'10 $\frac{1}{2}$ "	5'8"	6'4"
	Sedan.....	16'9"	5'8"	6'8"
	Touring.....	16'9"	5'8"	6'8"
	Coupe.....	16'9"	5'8"	6'5"
	4 Pass. Sedan.....	16'9"	5'8"	6'5"
	5 Pass. Sedan.....	16'9"	5'8"	6'8"
	7 Pass. Sedan.....	16'7 $\frac{1}{4}$ "	5'8"	6'10"
	7 Pass. Limousine.....	16'9"	5'8"	6'10"
Locomobile.....	Open Drive Limousine.....	16'9"	5'8"	6'8"
	Town Car.....	16'9"	5'8"	6'8"
	7 Pass. Touring.....	17'2"	5'8"	7'4"
	4 Pass. Touring.....	17'	5'8"	6'5"
	Limousine.....	17'2"	5'8"	7'2"
Locomobile.....	Landaulet.....	17'2"	5'8"	7'2"
	Berline.....	17'2"	5'8"	7'2"
	Berline.....	17'2"	5'8"	7'2"

Automobile Measurements (Cont.)

Name of Car	Model	Length	Width	Height
Maxwell.....	Standard Touring 1922-23.....	13'5"	5'7"	6'5½"
	Sport Touring 1923.....	14'5"	5'7"	6'5½"
	Roadster 1922-23.....	13'3"	5'7"	6'3½"
	Sport Roadster 1923.....	14'4"	5'7"	6'1½"
	Standard Coupe 1922-23.....	13'3"	5'7"	6'5½"
	Club Coupe 23.....	13'3"	5'7"	6'1½"
	Sedan 1922-23.....	13'5"	5'7"	6'5½"
Marmion 34.....	Traveller 1923.....	14'5"	5'7"	6'8½"
	7 Pass. Phaeton.....	16'3"	5'10"	6'6"
	4 Pass. Phaeton.....	15'8"	5'10"	6'6"
	4 Pass. Speedster.....	15'9½"	5'10"	6'6"
	4 Pass. Coupe.....	14'7½"	5'10"	6'6"
	4 Pass. Sedan.....	15'2"	5'10"	6'8"
	7 Pass. Sedan.....	15'2"	5'10"	6'8"
McFarlan.....	Suburban.....	15'2"	5'10"	6'8"
	Limousine.....	15'2"	5'10"	6'10"
	Town Car.....	15'2"	5'10"	6'10"
	2 Pass. Speedster.....	15'2"	5'10"	6'
	Roadster-142.....	17'6"	5'8"	6'6"
	Sport Touring-145.....	17'6"	5'8"	6'6"
	Touring-147.....	17'6"	5'8"	6'6"
Mercer.....	Coupe-163.....	17'6"	5'8"	6'6"
	Touring Sedan-160.....	17'6"	5'8"	6'6"
	Sedan Suburban-167.....	17'6"	5'8"	6'6"
	Town Car-154.....	17'6"	5'8"	6'6"
	4 Pass. Sedan-159.....	17'6"	5'8"	6'6"
	Touring.....	16'	6'	6'5"
	Sporting.....	16'	6'	6'5"
Mitchell.....	Runabout.....	16'	6'	6'5"
	Sedan.....	16'	6'	6'9"
	Limousine.....	16'	6'	6'9"
	E-40.....	14'4"	5'9"	6'11"
	C-42.....	14'11"	5'9"	6'11"
	Touring-6-40.....	13'6"	5'6"	6'3"
	Sedan-6-40.....	13'6"	5'6"	6'4"
Moon-6.....	Roadster-6-40.....	13'6"	5'6"	5'11"
	Touring-6-50.....	13'9"	5'6"	6'3"
	Sedan-6-50.....	13'9"	5'6"	6'4"
	Roadster-6-50.....	13'9"	5'6"	5'11"
	Touring-6-58.....	13'9"	5'8"	6'4"
	Sedan-6-58.....	13'9"	5'8"	6'5"
	5 Pass. Touring-691.....	15'3"	5'6½"	6'6"
Nash.....	7 Pass. Touring-692.....	15'11"	5'6½"	6'8"
	5 Pass. Sedan-693.....	15'5"	5'6½"	6'5"
	7 Pass. Sedan-694.....	15'	5'6½"	6'5"
	Victoria-695.....	14'10"	5'6½"	6'6"
	Roadster-696.....	15'2"	5'6½"	6'6"
	*Sport-697.....	16'7"	5'6½"	6'6"
	4 Door Coupe-698.....	14'8"	5'6½"	6'3"
National-4.....	Touring-H.....	15'	5'5"	6'8"
	Sedan-H.....	14'	5'5"	6'8"
	Touring.....	14'2½"	6'6½"	6'6½"
	Roadster.....	13'10½"	6'1½"	6'6½"
	Sport Roadster.....	13'10½"	6'1½"	6'6½"
	4 Pass. Sport.....	14'2½"	6'6"	6'6½"
	Sedan.....	13'10½"	6'6"	6'6½"
Oakland.....	5 Pass. Coupe.....	13'10½"	6'6"	6'6½"
	2 Pass. Coupe.....	13'10½"	6'1½"	6'6½"
	All Models.....	16'6"	5'6"	6'8"
	4 Pass. Touring.....	13'11"	5'6"	6'1½"
	5 Pass. Touring.....	13'11"	5'6"	6'1½"
	All Closed Cars.....	14'	5'6"	6'2½"
	5 Pass. Touring-4.....	12'	5'9"	6'7¾"
Ogren-6.....	2 Pass. Roadster-4.....	11'11"	5'9"	6'6½"
	2 Pass. Coupe-4.....	11'11"	5'9"	6'6½"
	5 Pass. Sedan-4.....	11'11"	5'9"	6'8"
	5 Pass. Touring-91.....	12'	5'9"	6'7¾"
	2 Pass. Roadster-91.....	11'11"	5'9"	6'6¾"
	2 Pass. Coupe-91.....	11'11"	5'9"	6'6½"
	5 Pass. Sedan-91.....	11'11"	5'9"	6'8"
Packard Single-6.....	*5 Pass. Red-Bird-92.....	13'9"	5'9"	6'7"
	5 Pass. Touring-1922.....	14'11½"	5'8½"	6'4"
	4 Pass. Runabout-1923.....	14'10½"	5'8½"	6'1½"
	7 Pass. Touring 1923.....	15'7¾"	5'8½"	6'4"
	4 Pass. Coupe 1923.....	14'10½"	5'8½"	6'5½"
	5 Pass. Coupe 1923.....	14'10½"	5'8½"	6'5½"
	5 Pass. Sedan 1923.....	14'10½"	5'8½"	6'5½"
Packard Single-8.....	5 Pass. Sedan-Limousine 1923.....	14'10½"	5'8½"	6'5½"
	7 Pass. Sedan 1923.....	15'5½"	5'8½"	6'5½"
	7 Pass. Sedan-Limousine 1923.....	15'5½"	5'8½"	6'5½"
	5 Pass. Touring 1923.....	16'11"	5'8½"	6'4"
	4 Pass. Runabout 1923.....	16'11"	5'8½"	6'1½"
	7 Pass. Touring 1923.....	17'5"	5'8½"	6'4"
	4 Pass. Coupe 1923.....	16'11"	5'8½"	6'5½"

Name of Car	Model	Length	Width	Height
*Paige.....	7 Pass. Phaeton.....	16'6"	5'8"	6'8"
	Daytona Roadster.....	16'6"	5'8"	5'10"
	5 Pass. Sedan.....	16'6"	5'8"	6'4½"
	7 Pass. Sedan.....	16'6"	5'8"	6'10"
	7 Pass. Limousine.....	16'6"	5'8"	6'10"
	7 Pass. Touring-66.....	16'1½"	5'8"	6'5¾"
	4 Pass. Touring-66.....	16'1½"	5'8"	6'4½"
††Peerless.....	4 Pass. Sub. Coupe-66.....	16'1½"	5'8"	6'5½"
	5 Pass. Town Sedan-66.....	16'1½"	5'8"	6'5½"
	7 Pass. Sub. Sedan-66.....	16'1½"	5'8"	6'5½"
	5 Pass. Berline Limousine-66.....	16'1½"	5'8"	6'5½"
	4 Pass. Opera Brougham-66.....	16'1½"	5'8"	6'5½"
	4 Pass. Sedan.....	17'4"	5'9"	6'10"
	Coupe-Sedan.....	17'4"	5'9"	6'9"
*Pierce-Arrow.....	Brougham.....	17'4"	5'9"	6'10"
	Laundale.....	17'4"	5'9"	6'10"
	4 Pass. Touring.....	17'4"	5'9"	6'10"
	7 Pass. Touring.....	17'4"	5'9"	6'11"
	French Limousine.....	17'4"	5'9"	6'10"
	Limousine.....	17'4"	5'9"	6'10"
	Enclosed Drive Limousine.....	17'4"	5'9"	6'10"
Pilot.....	3 Pass. Coupe.....	17'4"	5'9"	6'10"
	Runabout.....	17'6"	5'9"	6'2"
	6-56.....	16'	5'7"	6'5½"
Premier.....	7 Pass. Touring.....	15'16"	5'7½"	6'9"
	5 Pass. Touring.....	15'16"	5'7½"	6'9"
	5 Pass. Sport Touring.....	15'16"	5'7½"	6'9"
	2 Pass. Roadster.....	15'16"	5'7½"	6'9"
	5 Pass. Brougham.....	15'16"	5'7½"	6'9"
	7 Pass. Sedan.....	15'16"	5'7½"	6'9"
	Touring.....	15'	5'6"	6'5"
Reo.....	Phaeton.....	15'8"	5'6"	6'3½"
	Sedan.....	14'6¼"	5'6"	6'5¼"
	Coupe.....	14'6¼"	5'6"	6'5"
	Brougham.....	14'6¼"	5'6"	6'5¼"
	All Models.....	16'	5'8"	6'8"
	Phaeton.....	12'4"	5'6½"	6'8"
	Coupe.....	12'4"	5'6½"	6'8"
Rickenbacker.....	Sedan.....	12'4"	5'6½"	6'8"
	Roadster.....	12'4"	5'6½"	6'8"
	4 Pass. Tourer & Sport.....	15'8"	5'6½"	6'5"
	7 Pass. Tourer.....	15'8"	5'6½"	6'7"
	2-4 Roadster.....	15'8"	5'6½"	5'10"
	5 Pass. Sedan.....	15'8"	5'6½"	6'8"
	7 Pass. Sedan.....	16'10"	5'6½"	6'8½"
Rolls-Royce.....	All Models.....	16'4"	6'3"	6'7"
	R.....	14'5"	5'9"	6'6"
	J.....	15'3"	5'9"	6'6"
	H.....	14'10"	5'9"	6'6"
	S-4.....	13'	5'6"	6'7¾"
	V-18.....	13'	5'6"	6'7¾"
	Glendale Sedan.....	14'7"	5'8"	6'7"
*Sayers.....	Avondale Touring.....	14'7"	5'8"	6'6"
	Avondale Roadster.....	14'7"	5'8"	6'6"
	Touring 50-C.....	13'10"	6'6"	6'6"
	Roadster 51-C.....	13'3"	6'6"	6'6"
	5 Pass. Phaeton 740-A.....	15'2"	5'8"	6'10"
	7 Pass. Phaeton 740-B.....	15'2"	5'8"	6'10"
	7 Pass. Sedan 740-D.....	15'2"	5'8"	6'7"
Seneca.....	2 Pass. Roadster 740-E.....	15'2"	5'8"	6'10"
	5 Pass. Utility Sedan 740-G.....	15'2"	5'8"	6'6"
	H 1919.....	16'	5'8"	6'6"
	I 1920.....	16'	5'8"	6'6"
	J 1921.....	16'	5'8"	6'6"
	98 1922.....	16'	5'8"	6'6"
	99 1923.....	16'	5'8"	6'6"
Stanley.....	Sedan-F.....	12'1½"	5'7¾"	6'3½"
	Coupe-F.....	12'1½"	5'7¾"	6'3½"
	Special Touring-F.....	12'1½"	5'7¾"	6'5"
	Touring-F.....	12'1½"	5'7¾"	6'5"
	Roadster-F.....	12'1½"	5'7¾"	6'5"
	4 Pass. Touring.....	14'11"	5'8½"	6'6"
	5 Pass. Touring.....	14'11"	5'8½"	6'6"
†Stearns Knight-4.....	Coupe Roadster.....	14'11"	5'8½"	6'6"
	Coupe Brougham.....	14'11"	5'8½"	6'6"
	5 Pass. Sedan.....	14'11"	5'8½"	6'6"
	5 Pass. Brougham.....	14'11"	5'8½"	6'6"
	5 Pass. Militaire.....	15'10"	5'8½"	6'6"
	5 Pass. Touring.....	15'10"	5'8½"	6'6"
	7 Pass. Touring.....	15'10"	5'8½"	6'6"
†Stearns Knight-6.....	Coupe Brougham.....	15'10"	5'8½"	6'6"
	Sedan.....	15'10"	5'8½"	6'6"
	4 Door Sport Sedan.....	15'10"	5'8½"	6'6"
	Sport Coupe.....	15'10"	5'8½"	6'6"
	5 Pass. Touring.....	15'10"	5'8½"	6'6"
	7 Pass. Touring.....	15'10"	5'8½"	6'6"
	Coupe Brougham.....	15'10"	5'8½"	6'6"

Automobile Measurements (Cont.)

Name of Car	Model	Length	Width	Height
Stephens.....	L-3 Pass. Roadster-92 1922.....	15'4"	5'6"	6'1"
	5 Pass. Sedan-93 1922.....	15'4"	5'6"	6'7"
	5 Pass. Touring-94 1922.....	15'4"	5'6"	6'7"
	7 Pass. Touring-96 1922.....	15'4"	5'6"	6'9"
	2-3 Pass. Roadster-12 1923.....	14'	5'7"	6'1"
	4 Pass. Touring Sedan-15 1923.....	14'	5'7"	6'7"
	5 Pass. Touring-16 1923.....	14'	5'7"	6'6"
	5 Pass. Sedan-18 1923.....	14'	5'7"	6'7"
	5 Pass. Sport-24 1923.....	15'	5'6"	6'3"
	7 Pass. Touring-26 1923.....	14'11"	5'6"	6'7"
Studebaker Light 6.....	5 Pass. Touring.....	13'10"	5'8"	6'4"
	3 Pass. Roadster.....	13'4"	5'8"	6'3"
	2 Pass. Coupe Road.....	13'4"	5'8"	6'3"
	5 Pass. Sedan.....	13'4"	5'8"	6'3"
Studebaker Special-6.....	5 Pass. Touring.....	14'3"	5'8"	6'6"
	2 Pass. Roadster.....	14'3"	5'8"	6'4 1/2"
	5 Pass. Coupe.....	14'5"	5'8"	6'7"
	5 Pass. Sedan.....	14'5"	5'8"	6'7"
*Studebaker Big-6..	7 Pass. Touring.....	16'6"	5'8"	6'6"
	5 Pass. Speedster.....	16'6"	5'8"	6'6"
	5 Pass. Coupe.....	16'6"	5'8"	6'5"
	7 Pass. Sedan.....	16'6"	5'8"	6'8"
Stutz.....	Phaeton-660.....	15'4"	5'9"	6'5"
	Roadster-660.....	15'4"	5'9"	6'
	Sedan-660.....	15'4"	5'9"	6'3"
	Touring-KLDH.....	16'2"	5'9"	6'7"
	Sportster-KLDH.....	16'2"	5'9"	6'5"
	Roadster-KLDH.....	16'2"	5'9"	6'2"
	Coupe-KLDH.....	16'2"	5'9"	6'5"
	Bearcat-KLDH.....	15'4"	5'9"	6'2"
Templar.....	445.....	14'7"	5'8"	6'8"

Name of Car	Model	Length	Width	Height
Velie.....	15 Pass Touring-58.....	14'9"	5'8 1/2"	6'3 1/2"
	15 Special 5 Pas. Touring-58.....	14'9"	5'8 1/2"	6'3 1/2"
	3 Pass. Sport Roadster-58.....	14'9"	5'8 1/2"	6'3 1/2"
	5 Pass. Sport-58.....	14'9"	5'8 1/2"	6'3 1/2"
	5 Pass. Sedan-58.....	14'9"	5'8 1/2"	6'3 1/2"
	5 Pass. Touring Sedan-58.....	14'9"	5'8 1/2"	6'3 1/2"
	5 Pass. Brougham-58.....	14'9"	5'8 1/2"	6'3 1/2"
Westcott.....	A-38.....	14'3"	5'7 1/2"	6'10"
	A-48.....	15'8"	5'7 1/2"	6'11"
Wills Sainte Claire.....	4 Pass. Roadster-A-68.....	14'	5'8"	5'10 1/4"
	5 Pass. Phaeton-A-68.....	14'	5'8"	6'5 1/2"
	4 Pass. Coupe-A-68.....	14'	5'8"	6'2 1/2"
	7 Pass. Sedan-A-68.....	14'	5'8"	6'3 1/2"
	5 Pass. Brougham-A-68.....	14'3"	5'8"	6'2 3/4"
	5 Pass. Imperial Sedan-A-68.....	14'	5'8"	6'3 1/4"
	5 Pass. Town Car-A-68.....	14'	5'8"	6'4 1/4"
Willys Knight.....	5 Pass. Touring-20.....	14'1"	5'11 1/2"	6'9 1/2"
	3 Pass. Roadster-20.....	13'10 1/2"	5'11 1/2"	6'8 1/2"
	4 Pass. Coupe-20.....	13'10 1/2"	5'11 1/2"	6'10 1/2"
	5 Pass. Sedan-20.....	13'10 1/2"	5'11 1/2"	6'10 3/4"
	7 Pass. Touring-27.....	15'	5'11 1/2"	6'9 1/4"
	7 Pass. Sedan-27.....	14'4 1/2"	5'11 1/2"	6'10 1/2"
	5 Pass. Touring-64.....	14'2"	5'11 1/2"	6'9 1/2"
	3 Pass. Roadster-64.....	13'10 1/2"	5'11 1/2"	6'8 1/2"
	4 Pass. Coupe-64.....	13'10 1/2"	5'11 1/2"	6'10 1/4"
	5 Pass. Sedan-64.....	13'10 1/2"	5'11 1/2"	6'10 3/4"
	4 Pass. Coupe-Sedan-64.....	13'10 1/2"	5'11 1/2"	6'6"
	*5 Pass. Country-Club-64.....	16'3"	5'11 1/2"	6'9 1/4"
	7 Pass. Touring-67.....	15'	5'11 1/2"	6'9 1/4"
Winton.....	40.....	16'	5'8"	6'10"

Thresholds

Some garage owners desire special thresholds designed to make their garage doors tight at the bottom against wind and storm.

For this purpose, we present the three sketches of suggested thresholds on this page—these thresholds being intended particularly for garage doors hung on "Slidetite," "SlydaSyde" and "CornR-Wise" hanger equipments.

The left hand side in all of the sketches is the outside of the building.

The left hand sketch shows a bar of steel set into the concrete and extending about 3/4 inch above the floor line. This forms an effective wind break for the bottom of the door.

In the center sketch an angle is used instead of a bar and has

the particular advantage of being more easily set straight because of the greater stiffness in the angle.

The right hand sketch is built up entirely of concrete with the outside of the door extending beyond the highest part of the floor line, thus preventing the water from running down the face of the door and following the bottom of the door inside the building. The groove at the bottom of the door precludes water from creeping beneath the door by capillary attraction. This design of threshold is intended more particularly for a water stop, whereas the other two are intended more particularly for wind stops.

The first two are also especially good for use with "Slidetite" doors opening out, the threshold in that case, of course, being placed inside the door instead of outside.

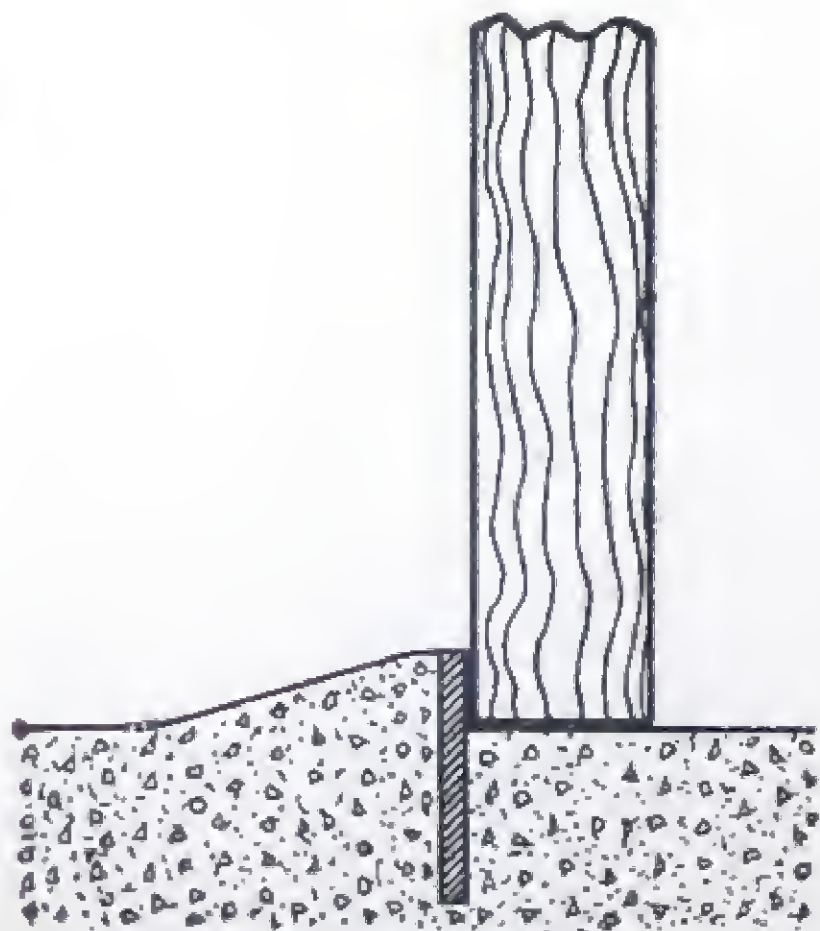


Fig. A-1007—Concrete raised threshold with edge formed by flat steel bar set in concrete.

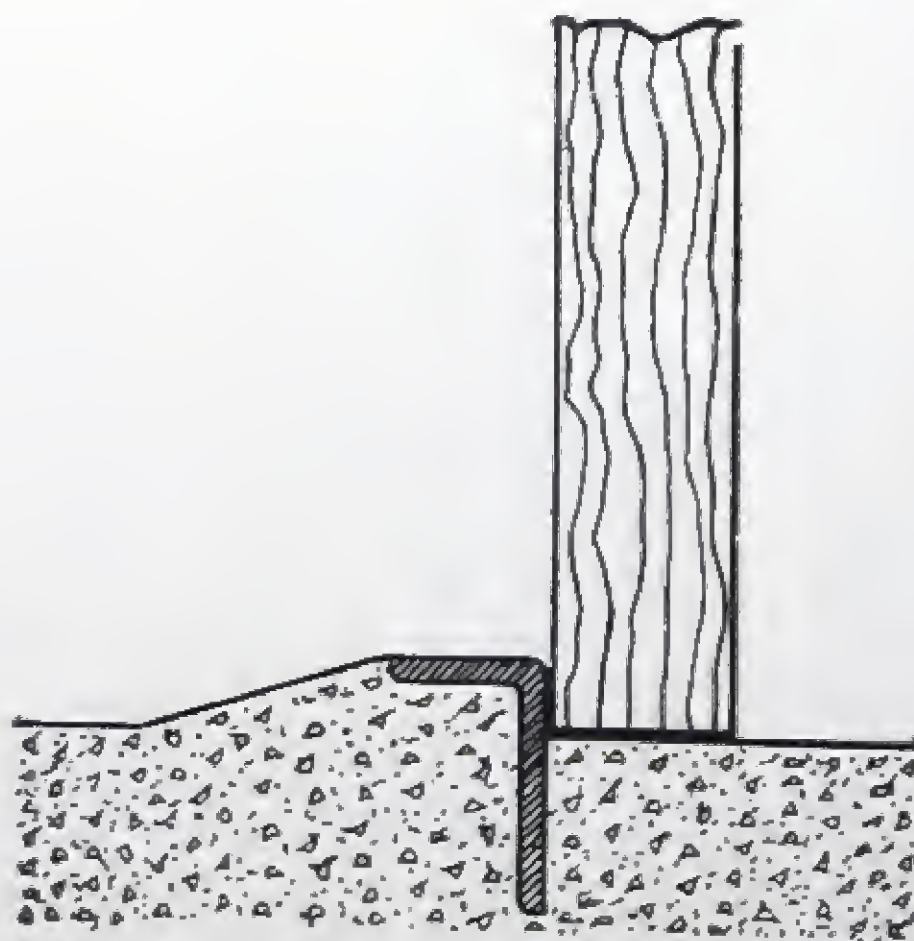


Fig. A-1008—Concrete raised threshold with steel angle piece forming top and edge of threshold.

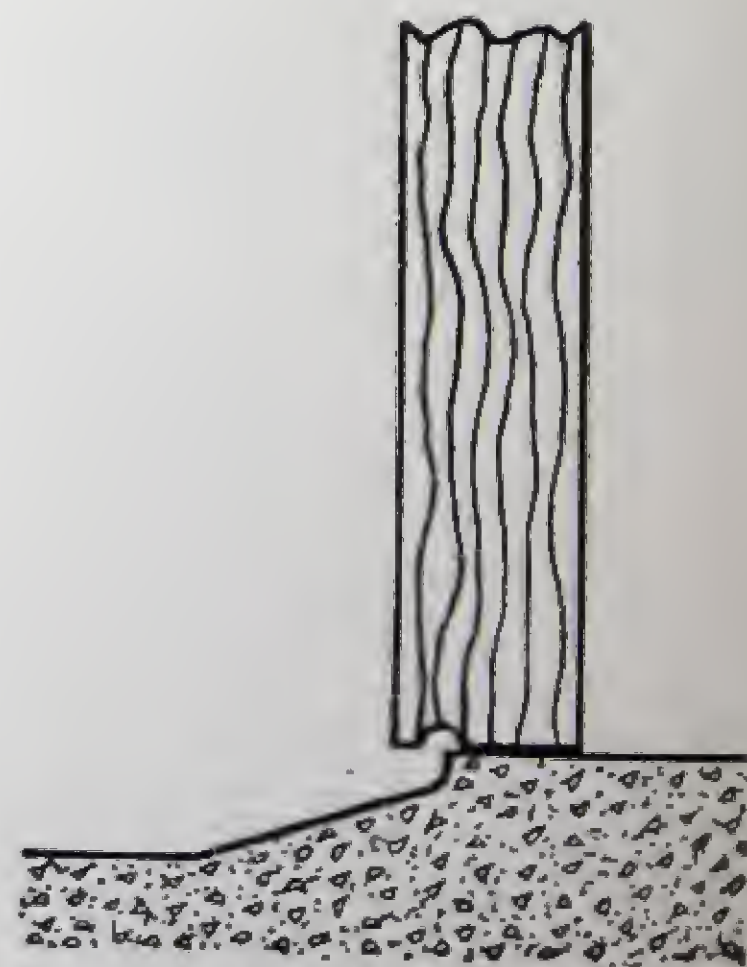


Fig. A-1009—Drop threshold designed to prevent water from driving beneath door.

Dimensions and Prices of Overhead and Side Wall Supports

As used with 435 and 1035 Equipments. (See pages 5 and 32.)

Suspension Bolt

for Nos. 435 and 1035-DE, DI, and J Brackets

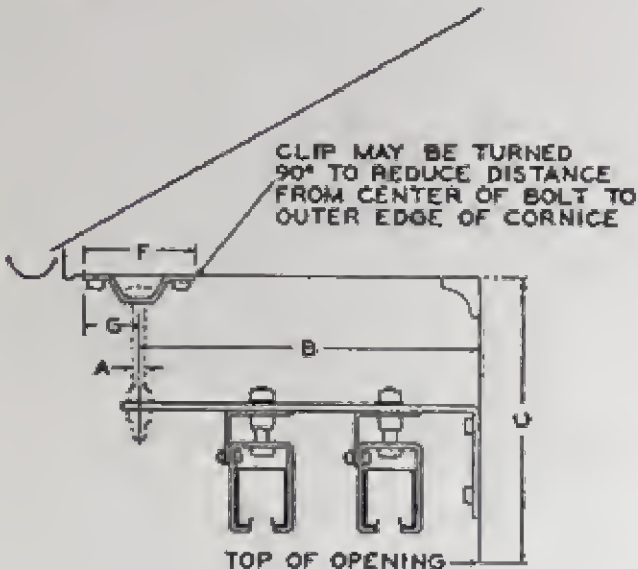


Fig. A-1010

Dimensions for Overhead Support

Track No.	"A"	"B"		"C"	"F"	"G"
		435	1035			
31 or 35.....	1 1/2"	15 1/2"	20"	9"	5 3/8"	3/4"
232.....	5/8"	19 1/2"	25"	11"	6"	1 1/4"
33.....	3/4"	19 1/2"	25"	11 1/2"	6 1/4"	1 1/4"

See page 5 or 32 for Ceiling Clips.

Suspension Rods for Side Wall Attachment
(With Bolts and Clips)

For No. 435 Equipment

For No. 31 or 35 Track:	
435 x 31 or 35 Double Intermediate Bracket Suspension Rods, each.....	\$1.60
435 x 31 or 35 Joint Bracket Suspension Rods, each.....	1.60
435 x 31 or 35 Double End Bracket Suspension Rods, each.....	1.60

For No. 33 Track:	
435 x 33 Double Intermediate Bracket Suspension Rods, each.....	1.90
435 x 33 Joint Bracket Suspension Rods, each.....	1.90
435 x 33 Double End Bracket Suspension Rods, each.....	1.90

For No. 232 Track:	
435 x 232 Double Intermediate Bracket Suspension Rods, each.....	1.90
435 x 232 Joint Bracket Suspension Rods, each.....	1.90
435 x 232 Double End Bracket Suspension Rods, each.....	1.90

For No. 1035 Equipment

For No. 31 or 35 Track:	
1035 x 31 Double Intermediate Bracket Suspension Rods, each.....	1.60
1035 x 31 Joint Bracket Suspension Rods, each.....	1.60
1035 x 31 Double End Bracket Suspension Rods, each.....	1.60

For No. 33 Track:	
1035 x 33 Double Intermediate Bracket Suspension Rods, each.....	1.90
1035 x 33 Joint Bracket Suspension Rods, each.....	1.90
1035 x 33 Double End Bracket Suspension Rods, each.....	1.90

For No. 232 Track:	
1035 x 232 Double Intermediate Bracket Suspension Rods, each.....	1.90
1035 x 232 Joint Bracket Suspension Rods, each.....	1.90
1035 x 232 Double End Bracket Suspension Rods, each.....	1.90

Suspension Rod

for Nos. 435 and 1035-DE, DI, and J Brackets

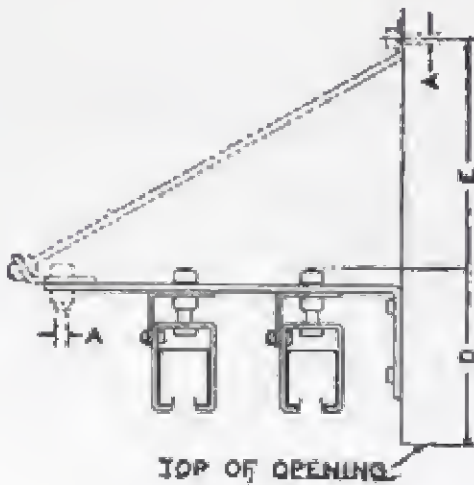


Fig. A-1011

Dimensions for Sidewall Support

Track No.	"A"	"D"	"E"	
			435	1035
31 or 35.....	1 1/2"	8 1/8"	7"	9 1/4"
232.....	5/8"	10 1/4"	9"	11 1/2"
33.....	3/4"	10 7/8"	9"	11 1/2"

Bracket Suspension Bolts for Overhead Attaching

Square heads, two square nuts, cut thread and finished points.

Size of Bolts for 31 or 35 Track		Price Each	Size of Bolts for 232 Track		Price Each	Size of Bolts for 33 Track		Price Each
1/2-inch x 2-inch		.08	5/8-inch x 2-inch		.13	3/4-inch x 2-inch		.21
1/2-inch x 3-inch		.09	5/8-inch x 3-inch		.14	3/4-inch x 3-inch		.23
1/2-inch x 4-inch		.10	5/8-inch x 4-inch		.16	3/4-inch x 4-inch		.25
1/2-inch x 5-inch		.11	5/8-inch x 5-inch		.17	3/4-inch x 5-inch		.27
1/2-inch x 6-inch		.12	5/8-inch x 6-inch		.19	3/4-inch x 6-inch		.29
1/2-inch x 7-inch		.13	5/8-inch x 7-inch		.20	3/4-inch x 7-inch		.31
1/2-inch x 8-inch		.14	5/8-inch x 8-inch		.21	3/4-inch x 8-inch		.33
1/2-inch x 9-inch		.15	5/8-inch x 9-inch		.23	3/4-inch x 9-inch		.35
1/2-inch x 10-inch		.16	5/8-inch x 10-inch		.24	3/4-inch x 10-inch		.37
1/2-inch x 11-inch		.16	5/8-inch x 11-inch		.25	3/4-inch x 11-inch		.39
1/2-inch x 12-inch		.17	5/8-inch x 12-inch		.27	3/4-inch x 12-inch		.41
1/2-inch x 13-inch		.18	5/8-inch x 13-inch		.28	3/4-inch x 13-inch		.43
1/2-inch x 14-inch		.19	5/8-inch x 14-inch		.29	3/4-inch x 14-inch		.45
1/2-inch x 15-inch		.20	5/8-inch x 15-inch		.31	3/4-inch x 15-inch		.47
1/2-inch x 16-inch		.21	5/8-inch x 16-inch		.32	3/4-inch x 16-inch		.49
1/2-inch x 17-inch		.22	5/8-inch x 17-inch		.34	3/4-inch x 17-inch		.51
1/2-inch x 18-inch		.23	5/8-inch x 18-inch		.35	3/4-inch x 18-inch		.53
1/2-inch x 19-inch		.24	5/8-inch x 19-inch		.36	3/4-inch x 19-inch		.55
1/2-inch x 20-inch		.25	5/8-inch x 20-inch		.38	3/4-inch x 20-inch		.56
1/2-inch x 21-inch		.26	5/8-inch x 21-inch		.39	3/4-inch x 21-inch		.58
1/2-inch x 22-inch		.27	5/8-inch x 22-inch		.40	3/4-inch x 22-inch		.60
1/2-inch x 23-inch		.28	5/8-inch x 23-inch		.41	3/4-inch x 23-inch		.62
1/2-inch x 24-inch		.29	5/8-inch x 24-inch		.43	3/4-inch x 24-inch		.64

Discount

Directions for Ordering Garage Door Hardware

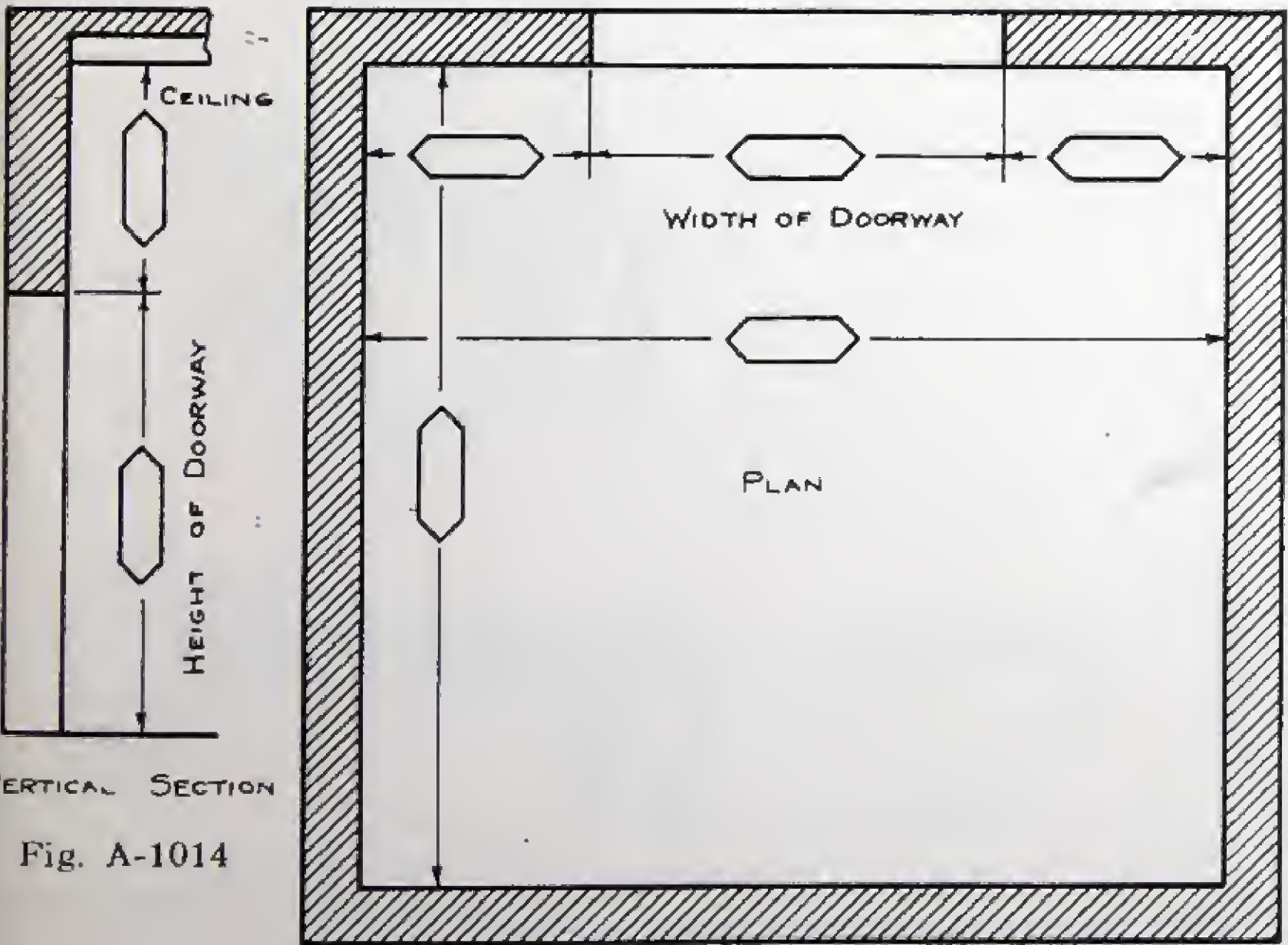


Fig. A-1015

When ordering hardware for garage doors please give the following information:

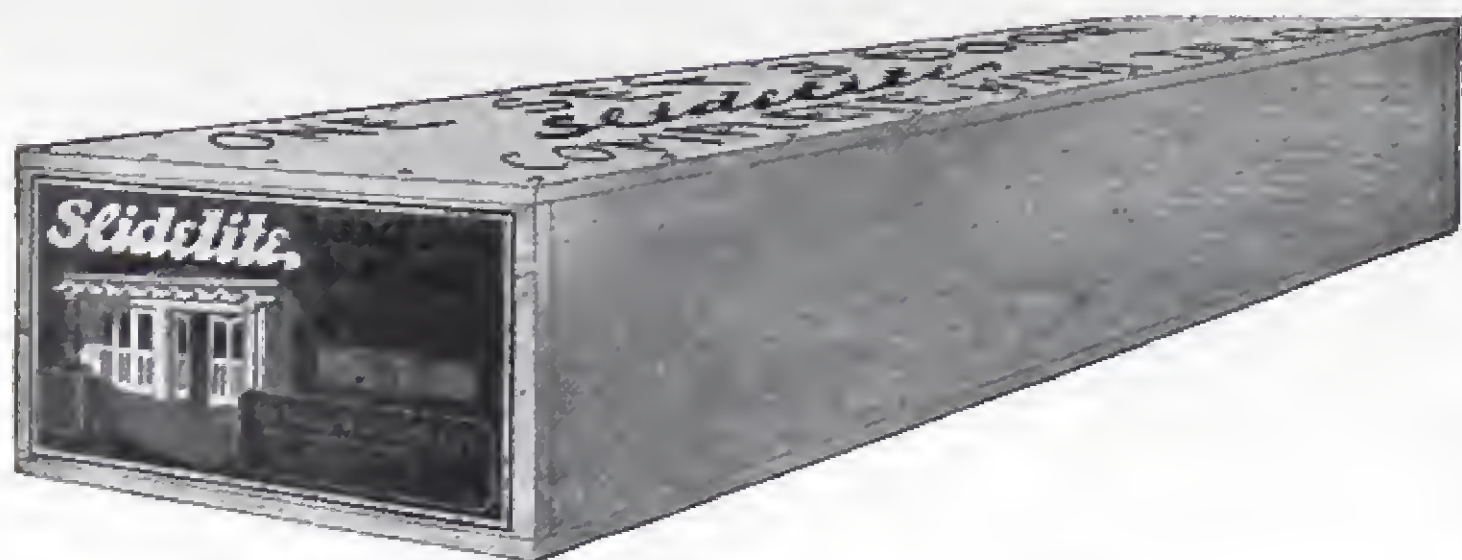
1. State Thickness of Doors.....
2. Have Doors Been Made?.....
3. State Proposed Number of Doors in Opening.....
4. How Many Doors Slide to Right?.....
5. How Many Doors Slide to Left?.....
6. Is There Another Entrance Door?.....
7. State Thickness of Walls.....
8. What Kind of Locking Bolts are Desired?.....
9. Are Walls of Brick, Concrete or Frame Construction?.....
10. Fill in All Dimensions Called for on Plan and Vertical Sections.

R-W No. 1435

Slidetite Garage Door Equipment

PATENTED

Packed in Box Including Track



For the convenience of some of our jobbers who sell "Slidetite" to dealers not ordinarily carrying our No. 31 Trolley track in stock, and those who prefer a complete set of hardware including track in a box, we are now prepared to furnish our No. 1435 sets.

These sets consist of our regular No. 435x31 "Slidetite" hardware, but the track is included right in the box, making them complete. Each piece of track is 42" long, and a No. 435-I Intermediate bracket should be placed where the two sections of track

come together. Our new style bracket so effectively grips and clamps the ends of track that there is positively no obstruction at the joint.

When ordering please state type and style of hardware, width and height of doors and kind of Locking Bolts desired. These sets are only furnished for No. 31 Trolley Track.

Example Order: One set 3-door "Slidetite" No. 1435 for opening 9' wide. Doors 8' high, and 1 3/4" thick. No. 514 Bolts desired.

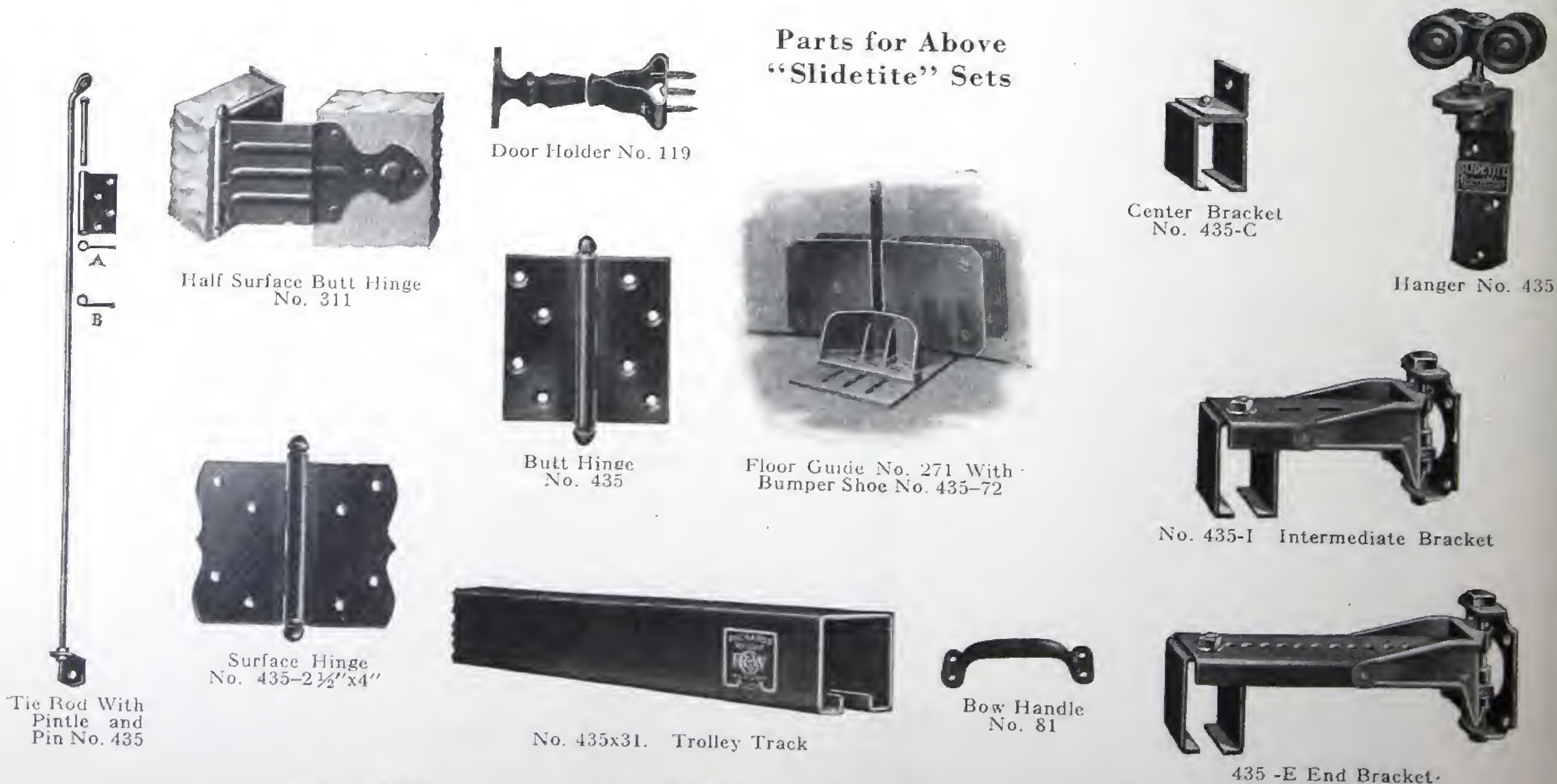
List Prices for Complete Sets

Including the following Bolts	3 Door Set	One Track 4 Door Set	Two Track 4 Door Set	5 Door Set	6 Door Set
*No. 514 Top or Bottom Spring Bolts.....	\$14.00	\$16.00	\$21.00	\$24.50	\$28.00
*No. 514 Top Bolts and 524 Bottom Cane Bolts.....	14.00	16.00	21.00	24.50	28.00
*No. 417 Top and Bottom Chain Bolts, Doors 9' high.....	15.40	19.05	22.80	26.80	31.20
*No. 517 Top and Bottom Bolts, Doors up to 9' high.....	17.60	22.85	27.20	30.20	37.80
*No. 517 Top and Bottom Bolts, Doors 9'1" to 10'6" high.....	17.80	23.05	27.60	30.60	38.40
No. 617 Top and Bottom Bolts, Doors up to 10' high.....	21.50	31.25	35.00	38.00	49.50

*For application of bolts see pages 7 to 17.

Discount.....

ANY STYLE OF LOCKING BOLTS SHOWN ABOVE MAY BE USED WITH ANY NUMBER OF DOORS

Parts for Above
"Slidetite" Sets

For Elevations and Floor Plans See Pages 7 to 17

Alphabetical Index

A		P	
Automobile Measurements.....	135 to 138	Parallel Sliding Door Hardware.....	87 to 99
B		Parts for CorneR-Wise, 635 Doors.....	70, 71
Bolts, Bracket Suspension.....	139	Parts for Parallel Sliding Doors.....	96, 97
Bolts, Door.....	118 to 122	Parts for Slidetite, 435 Doors.....	5
Bolt Spacings for Brackets.....	112 to 114	Parts for SlydaSyde, 235 Doors.....	46, 47
Bow Handles.....	125	Parts for Straight Sliding Doors.....	84 to 86
Brackets, Trolley Track.....	107 to 109	R	
Bumper Shoes.....	126	Round Runner Garage Door Hardware.....	80, 81
Butt Hinges.....	128	S	
C		Sebeco Expansion Shields and Bolts.....	115
Ceiling Clips.....	5, 32	Slidetite Garage Door Hardware.....	2 to 39, 140
Clearance Diagrams, CorneR-Wise.....	71	Slidetite Sets in Boxes.....	140
Clearance Diagrams, SlydaSyde.....	45	Slidetite Hardware on Fire Doors.....	33
Concrete Anchors.....	131	Slidetite, 435, 2-Door Sets, Opening In.....	6, 7
Compound Curve, No. 1.....	110	Slidetite, 435, 3-Door Sets, Opening In.....	8, 9
Conveying Equipment, OveR-Way.....	134	Slidetite, 435, 1-Track 4-Door Sets, Opening In.....	10, 11
CorneR-Wise Garage Door Hardware.....	68 to 79	Slidetite, 435, 2-Track 4-Door Sets, Opening In.....	12, 13
CorneR-Wise Parts.....	70, 71	Slidetite, 435, 5-Door Sets, Opening In.....	14, 15
CorneR-Wise 635 "RR" Single Door Sets.....	72, 73	Slidetite, 435, 6-Door Sets, Opening In.....	16, 17
CorneR-Wise 635 "SS" Double Door Sets.....	74, 75	Slidetite, 435, 7-Door Sets, Opening In.....	18, 19
CorneR-Wise 635 "TT" 2-Door Sets.....	76, 77	Slidetite, 435, 3-Track 8-Door Sets, Opening In.....	20, 21
CorneR-Wise 635 "UU" 4-Door Sets.....	78, 79	Slidetite, 435, 4-Track 8-Door Sets, Opening In.....	22, 23
Cremone Bolts.....	119, 120	Slidetite, 435, 9-Door Sets, Opening In.....	24, 25
Curved Trolley Track.....	110	Slidetite, 435, 10-Door Sets, Opening In.....	26, 27
D		Slidetite, 435, 2-Door Sets, Opening Out.....	6, 7
Diamond Expansion Shields and Bolts.....	115	Slidetite, 435, 3 to 10-Door Sets, Opening Out.....	28, 29
Dimensions of Overhead and Wall Supports.....	139	Slidetite, 435 Parts.....	5
Directions for Ordering Hardware.....	139	Slidetite, 1035, 2-Door Sets, Opening In or Out.....	6, 7
Door Binders and Stops.....	131	Slidetite, 1035, 3 to 10-Door Sets, Opening In or Out, 30 to 33, 35	
Door Bolts.....	118 to 122	Slidetite, "Ideal", 1135 Garage Door Sets.....	36, 37
Door Checks.....	133	Slidetite, 1235 Garage Door Hardware.....	38, 39
Door Dogs.....	123	Slidetite Industrial Door Hardware.....	33, 35
Door Guides.....	126, 127	SlydaSyde, 235, Garage Door Hardware.....	42 to 67
Door Holders.....	46, 123	SlydaSyde Parts.....	46, 47
E		SlydaSyde, 235-AA, Single Door Sets.....	48, 49
Electric Door Openers and Closers.....	104 to 106	SlydaSyde, 235-BB, Double Door Sets.....	50, 51
Expansion Shields and Bolts.....	115	SlydaSyde, 235-CC, Single Door Sets.....	52, 53
F		SlydaSyde, 235-DD, Double Door Sets.....	54, 55
Flat Track Garage Door Hardware.....	82	SlydaSyde, 235-EE, Single Door Sets.....	56, 57
Floor Center Stops.....	126	SlydaSyde, 235-FF, Double Door Sets.....	58, 59
Flush Door Hardware.....	100, 101	SlydaSyde, 235-GG, 2-Door Sets.....	60, 61
Flush Drop Handles.....	125	SlydaSyde, 235-HH, 4-Door Sets.....	62, 63
Flush Pulls.....	125	SlydaSyde, 235-JJ, 3-Door Sets.....	64, 65
H		SlydaSyde, 235-KK, 6-Door Sets.....	66, 67
Half Surface Butt Hinges.....	128	Stay Rollers.....	46, 124
Hangers for CorneR-Wise Doors.....	70, 71	Steel Thresholds.....	133, 138
Hangers for Flush Doors.....	100, 101	Stewart Electric Door Openers and Closers.....	104 to 106
Hangers for Parallel Sliding Doors.....	96, 97, 99	Straight Sliding Door Hardware.....	84 to 86
Hangers for Slidetite Doors.....	5, 32, 37, 38	Strap Hinges.....	130
Hangers for SlydaSyde Doors.....	46, 47	Supports, Overhead and Wall.....	139
Hangers for Straight Sliding Doors.....	84, 86	Surface Hinges.....	129, 130
Hinges.....	128 to 130	Swing Door Hardware.....	102, 103
I		Swing Door Locks.....	116
Industrial Door Hardware.....	33 to 35	T	
L		Thresholds, Door.....	133, 138
Locks, Latches and Bolts.....	116 to 122	Tie Rods.....	118
O		Trolley Track.....	110
Offset Surface Hinges.....	129, 130	Trucks, Trolley.....	111
OveR-Way Conveying Equipment.....	134	W	
		Weights of Door Table.....	123
		Wicket Door Hardware.....	34, 132, 133

Numerical Index

Catalog No.	Page No.
20-2 Hangers.....	84, 86, 96, 97
20-2 Trolley Trucks.....	111
20½B Hangers.....	84, 86, 96, 97
20½B Trolley Trucks.....	111
25 Hangers.....	84, 86, 96, 97
25 Trolley Trucks.....	111
27½B Hangers.....	84, 86, 96, 97, 100, 101
27½B Trolley Trucks.....	111
27½B K. J. Knuckle Jointed Hangers.....	101, 102
27½B K. J. Knuckle Jointed Trolley Trucks.....	111
28½B Hangers.....	86, 96, 97, 100, 101
28½B Trolley Trucks.....	111
28½B K. J. Knuckle Jointed Hangers.....	101, 102
28½B K. J. Knuckle Jointed Trolley Trucks.....	111
28V Hangers.....	84, 86, 96, 97
28V Trolley Trucks.....	111
29V Hangers.....	84, 86, 96, 97
29V Trolley Trucks.....	111
29½B Hangers.....	86, 96, 97, 100, 101
29½B Trolley Trucks.....	111
29½B K. J. Knuckle Jointed Hangers.....	101, 102
29½B K. J. Knuckle Jointed Trolley Trucks.....	111
31 Trolley Track.....	110
32 Trolley Track.....	110
33 Trolley Track.....	110
35 Trolley Track.....	110
54 Barn Door Stay Rollers.....	124
55 Stay Rollers.....	46
70 Flush Pulls.....	125
71 Bow Handles.....	125
81 Bow Handles.....	125
89 Door Binders and Stops.....	85, 131
91 Bow Handles.....	125
99 Door Dogs (Door Holders).....	123
107 Diamond Expansion Shields and Bolts.....	115
119 Door Holders.....	46
121 Hangers.....	86, 87, 97
121 Trolley Trucks.....	111
123½B Hangers.....	86, 96, 97, 100, 101
123½B Trolley Trucks.....	111
123½B K. J. Knuckle Jointed Hangers.....	101, 102
123½B K. J. Knuckle Jointed Trolley Trucks.....	111
150 Hangers.....	84, 86, 96, 97
150½B Hangers.....	84, 86, 96, 97, 100, 101
150½B K. J. Knuckle Jointed Hangers.....	101, 102
154 Heavy Warehouse Stay Rollers.....	124
170 Flush Drop Handles.....	125
171 Floor Guides.....	126
172 Door Guides.....	96, 97, 126
W-206 Sebco Expansion Shields and Bolts.....	115
232 Trolley Track.....	110
235 Garage Door Hardware.....	42 to 67
235 Parts.....	46, 47
235 Hangers.....	46, 47
235 "AA", Single Door Sets.....	48, 49
235 "BB", Double Door Sets.....	50, 51, 54, 55
235 "CC", Single Door Sets.....	52, 53
235 "DD", Double Door Sets.....	54, 55
235 "EE", Single Door Sets.....	56, 57
235 "FF", Double Door Sets.....	58, 59
235 "GG", 2-Door Sets.....	60, 61
235 "HH", 4-Door Sets.....	62, 63
235 "JJ", 3-Door Sets.....	64, 65
235 "KK", 6-Door Sets.....	66, 67
256 Two-Track Assemblies.....	88, 92, 94
257 Two-Track Assemblies.....	88, 92, 94
258 Two-Track Assemblies.....	88, 92, 94
259 Two-Track Assemblies.....	88, 92, 94
271 Door Guides.....	126
272 Door Guides.....	126
311 Half Surface Butt Hinges.....	128
350 Door Latches.....	103, 116
356 Two-Track Assemblies.....	88, 92, 94
357 Two-Track Assemblies.....	88, 92, 94
358 Two-Track Assemblies.....	88, 92, 94
359 Two-Track Assemblies.....	88, 92, 94
372 Door Guides.....	126
414 Self Aligning Top or Bottom Spring Bolts.....	119
417 Top and Bottom Garage Door Bolts.....	118
434 Industrial Door Hardware.....	34

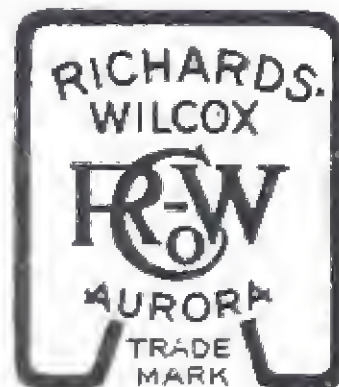
Numerical Index (Cont.)

Catalog No.	Page No.
435 Brackets.....	5, 32
435 Ceiling Clips.....	5, 32
435 2-Door Sets, Opening In.....	6, 7
435 3-Door Sets, Opening In.....	8, 9
435 1-Track 4-Door Sets, Opening In.....	10, 11
435 2-Track 4-Door Sets, Opening In.....	12, 13
435 5-Door Sets, Opening In.....	14, 15
435 6-Door Sets, Opening In.....	16, 17
435 7-Door Sets, Opening In.....	18, 19
435 3-Track 8-Door Sets, Opening In.....	20, 21
435 4-Track 8-Door Sets, Opening In.....	22, 23
435 9-Door Sets, Opening In.....	24, 25
435 10-Door Sets, Opening In.....	26, 27
435 2-Door Sets, Opening Out.....	6, 7
435 3 to 10-Door Sets, Opening Out.....	28, 29
435 Garage Door Hardware.....	2 to 29
435 Hangers.....	5, 32
435 K. J. Knuckle Jointed Hangers.....	38
435 Hinges, Butt.....	128
435 Hinges, Surface.....	129
435 Industrial Door Hardware.....	33
435 Parts.....	5
435 Special Hangers.....	5, 28
435 Tie Rod with Pintle and Pin.....	118
436 3-Door Sets.....	40, 41
450 Swing Door Lock.....	116
456 Parallel "Ideal" Equipment.....	98, 99
457 Parallel "Ideal" Equipment.....	98, 99
472 Concrete Anchors.....	131
510 Sliding Door Locks.....	117
514 Top or Bottom Spring Door Bolts.....	121
516 Parallel Door Bolts and Locks.....	122
517 Cremone Bolts.....	119
524 Bottom Cane Bolts.....	121
525 Sliding Door Locks.....	117
534 Door Latches.....	102
534 Swing Door Hardware.....	102
550 Swing Door Locks.....	116
616 Parallel Door Bolts.....	122
617 Cremone Bolts.....	120
634 Swing Door Hardware.....	103
635 Floor Guides.....	127
635 Floor Guide Track.....	127
635 Garage Door Hardware.....	68 to 79
635 Hangers.....	70, 71
635 Hinges, Surface.....	129
635 Parts.....	70, 71
635 "RR", Single Door Sets.....	72, 73
635 "SS", Double Door Sets.....	74, 75
635 "TT", 2-Door Sets.....	76, 77
635 "UU", 4-Door Sets.....	78, 79
643 Door Checks.....	133
727 Parallel "Ideal" Equipment.....	98, 99
735 3 to 6-Door Sets.....	82
736 Door Guide and Weather Strip.....	127
737 Door Guide and Weather Strip.....	127
825 Sliding Door Locks.....	118
835 3 to 6-Door Sets.....	80, 82
836 Hinges, Offset Surface.....	129
943 Door Checks.....	133
1035 Brackets.....	32
1035 Garage Door Hardware.....	30 to 35
1035 2-Door Sets, Doors Opening In or Out.....	6, 7
1035 3 to 10-Door Sets, Doors Opening In or Out.....	30 to 32
1035 Hardware on Tin Clad Fire Doors.....	33
1035 Hinges, Heavy Offset.....	130
1035 Industrial Door Hardware.....	33, 35
1035 Parts.....	32
1035 Steel Threshold.....	133
1036 Hinges, Heavy Strap.....	130
1100 Electric Door Opener and Closer.....	104 to 106
1125 Garage Door Lock.....	120
1135 3 to 10-Door Sets, Doors Opening In.....	36, 37
1235 Industrial Door Hardware.....	33
1235 Sliding Folding Door Sets.....	38, 39
1435 3 to 6-Door Sets.....	140

Richards-Wilcox Products

Garage Door Hardware.
Electric Garage Door Opener and Closer.
Barn Door Hardware.
Vanishing House Door Hardware.
Wardrobe Door Hardware.
Warehouse Door Hardware.
R. R. Roundhouse Door Hardware.
Lift Door Hardware.
Hardware for Sliding Partitions in Schools, Churches, Lodges, etc.
Fire Doors.
Automatic Fire Door Hardware.
Fusible Links.
Fire Station Door Hardware.
Heavy Hinges.

I-Beam Trolleys.
Mill-Type Doors.
PieR-Work Door Hdw. Mounted Grindstones.
Rolling Store Ladders.
Swing Door Checks.
Woodworking Vises.
Woodworking Benches.
"D" Shovel Handles.
Builders' Scaffold Brackets.
Stair Rail Brackets.
Locks, Bolts, Latches.
Floor Guides, Bumpers.
Fence Stretchers.
Door Holders.
Multifold Window Hardware.
Elevator Door Hardware.
Overhead Conveying Systems.



Slidetite
PATENTED
Garage Door Hardware



Multifold Window Hardware



Conveying Systems



Fire Doors

"IDEAL" Elevator Door Equipment

"A Hanger for any door that slides"

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